

FAA  
**thesaurus**  
OF  
TECHNICAL  
DESCRIPTORS



THIRD EDITION  
INFORMATION RETRIEVAL BULLETIN

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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The FAA Thesaurus of Technical Descriptors is one of the publications produced by the systems technology developed for the information retrieval system. This technology will be used in producing many of the other information retrieval services referenced in Order 1750.7, dated 7/25/67, which provided for the design, development and management of an integrated system for the storage and retrieval of scientific, technical and administrative reference information. The Office of Management Systems trusts that the products of this system will be useful to FAA libraries and to all agency personnel.



S. E. BLUM

Director of Management Systems

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## **Foreword**

The Thesaurus of FAA Descriptors has been compiled as part of a program for developing a semi-automated information retrieval system for the FAA. Descriptors listed were selected in the indexing in depth of approximately 22,000 technical reports.

The Thesaurus will be refined and updated on a continuing basis to assure indexing reliability, retrieval accuracy and general acceptability.

Comments on the Third Edition or recommendations concerning the further development of the Thesaurus should be sent to the Office of Management Systems (MS-110).

## Contents

FOREWORD.....	i
INTRODUCTION.....	v-vi
SAMPLE THESAURUS ENTRY.....	vii
DESCRIPTOR LISTING.....	1

# Introduction

## Thesaurus Purpose

This is the third edition of the *Thesaurus of FAA Descriptors*, the vocabulary of the Federal Aviation Information Retrieval System (FAIRS).

This edition, with 3,123 descriptors, includes new terms established since the last publication, in November, 1965. Further, it is presented in the format developed by Project LEX for the *Thesaurus of Engineering and Scientific Terms*, issued recently by the Department of Defense.

The purpose of this thesaurus is to provide a definitive, working vocabulary for the field of civil aviation; its terms or descriptors serve as reference standards for the indexing and retrieval of information. The thesaurus is designed to permit effective specific descriptions of documents on input and answerable search queries on output. In this sense, the thesaurus is the communication link which permits entry and exit of information to and from the FAIRS system in a consistent and relatively predictable manner.

## Description of Thesaurus Entries

The thesaurus lists *Descriptors* and *Use references* in alphabetical order. Descriptors always appear in all capital letters. Use references appear in upper and lower case and refer from terms not established as Descriptors to the appropriate Descriptor or combination of Descriptors to be used for expressing the concept being considered.

*Used for (UF) references* are the Use references which are cross-referenced to a specific Descriptor. UF references are never Descriptors and they always appear in upper and lower case.

*Related Terms (RT)*, on the other hand, are always Descriptors. They are used to cross-reference related Descriptors. They refer from a single Descriptor to one or more related Descriptors.

Many Descriptors display generic relationships to *Broader Term (BT)* and *Narrower Term (NT)* entries. BT entries refer to the broader, more inclusive term; NT entries refer to narrower, more specific terms. The concept is explained as follows:

VELOCITY is broader than the terms AIRSPEED, FLIGHT SPEED, and GROUND SPEED. Conversely, the individual terms AIRSPEED,

FLIGHT SPEED, and GROUND SPEED are specific types of VELOCITY and, therefore, are narrower terms which make them specific to VELOCITY.

This concept of generic word relationships is used as an aid by the analyst or the searcher in determining whether or not the proper degree of specificity has been considered. It also serves as a guide to similar terms which may be used in determining the search strategy.

An annotated thesaurus entry is displayed on page vii.

## Thesaurus Utilization

### A. Indexing

The *Thesaurus of FAA Descriptors* is designed for use in coordinate indexing of documents for entry into the FAIRS system. Coordinate indexing is the assignment of a number of Descriptors to a document on the basis of its analysis by a trained indexer. These Descriptors act as vectors in defining content viewpoints, and taken together, they describe the theme of the document in question.

The purpose of the thesaurus in the indexing function is to provide a degree of consistency and standardization not possible in an unstructured approach to document analysis. Not only does the thesaurus specify those terms which are permissible for use as Descriptors, but it offers multiple access cross-references to many of those Descriptors, and assists the indexer in determining the most appropriate level of specificity at which a given document should be described. Finally, the thesaurus, through display of collateral term (RT) relationships, brings related subject concepts to the indexer's attention for consideration as further potential Descriptors.

### B. Searching

Searching of the FAIRS system is based on the same basic principles of coordinate indexing which govern document indexing. Since people requiring information tend to think of their needs in terms of subject concepts, the thesaurus provides familiar terminology which can be effectively used when the thesaurus format and display are understood.

A problem with many information queries, however, is that the searcher is not entirely aware or sure of his needs. Even if his needs are firmly in mind, they will be expressed in terms of his own peculiar background, and he will need assistance to gain access to the information collection.

The thesaurus is designed to provide this assistance. To begin with, it provides cross-reference entries to assist the searcher in "translating" his search concepts into the acceptable Descriptors for system entry. Once the basic Descriptors have been identified, the searcher can define his search statement by analyzing the Descriptor groupings for the most suitable hierarchical levels and for possible collateral or related terms which would provide additional avenues of approach to searching the document file.

#### C. Method of Use

In utilizing the thesaurus to index reports or to search the file on specific subjects, the logical method is to use Descriptors that definitely convey the exact concept desired. For example, if information is sought on AVIATION MEDICINE, RADAR BEACONS, or MAINTENANCE, that information can be found directly.

In other cases, selection of the appropriate Descriptors can be made on the following bases:

- (1) From Use references which give Descriptors of equivalent, similar, or broader meaning:  
Air lanes, use AIR ROUTES  
Approach control, use ATC TERMINAL AREA  
Certification, use LICENSING.
- (2) From Use references which stipulate the requirement of two or more valid Descriptors:  
Angle of approach indicators, use GLIDE PATH and LANDING AIDS  
Aviation psychology, use AVIATION MEDICINE and PSYCHOLOGY.
- (3) Not all Descriptors are subject related. Abstract concepts and modifying terminology exists in nearly all fields and disciplines; Descriptors representing these concepts are provided and can

be used without being restricted to a particular field or subject discipline.

#### Future Microthesauri

The *Thesaurus of FAA Descriptors* provides a starting point and framework from which narrower, more specialized FAA vocabularies can be constructed. Such vocabularies are commonly called "microthesauri."

Sections of the thesaurus which are related to the subject of such a vocabulary can be used as an outline for microthesaurus development and the addition of completely new terms. Descriptors of the thesaurus could become either Descriptors or Use references in such a microthesaurus, depending on the particular subject area in question.

Families of such vocabularies, useful to FAA analysts indexing specialized material, can be built with the same format as the *Thesaurus of FAA Descriptors*, to supplement its use and respond to specialized needs. Such microthesauri would be particularly helpful to searchers, because of their focus on specific areas of particular subject interest.

If analysts do not find the thesaurus sufficiently detailed to accurately describe certain information, initially they can add identifiers and candidate terms for examination as potential Descriptors.

A review of the type and frequency of such words, from time to time, would make possible a realistic decision as to whether or not to build a microthesaurus.

Care must be taken to distinguish those terms which are actually more detailed and representative of a specialized field, from words which are on the same level of specificity, and deal with the same subject area as the Descriptors in the thesaurus. The latter properly belong in a revision of the thesaurus, either as new Descriptors or as Use references to terms already in the thesaurus.

Criteria to use in determining whether to build a microthesaurus are: degree of specificity of appropriate terms, frequency of use of such terms, and the nature of the subject area in terms of information volume and detailed interest of FAA personnel.

## Sample Thesaurus Entry

Descriptor.....	LEADING EDGE
Definition or explanation.....	(The forward edge of an airfoil, blade, etc., i.e., the edge which normally meets the air or fluid first.)
Reverse of the Use reference.....	UF Forward Edge Foremost Edge
Related broader Descriptor concept.....	BT AERODYNAMIC CONTROL SURFACES AERODYNAMIC CONFIGURATIONS CONTROL SURFACES
Related narrower Descriptor concept.....	NT LEADING EDGE FLAPS
Associated Descriptor concepts that are not generically related.....	RT AIRFOILS BLADE AIRFOILS TRAILING CONTROL SURFACES
Use reference.....	Forward edge use LEADING EDGE Foremost edge use LEADING EDGE

# A

## ABANDONMENT

- UF Escape (Abandonment)
- NT BAILOUT
- RT DITCHING

## ABDOMEN

- BT BODY

## Abelian fields

- USE ALGEBRA

## ABLATION

- RT AERODYNAMIC HEATING
- AEROTHERMOELASTICITY
- COOLING
- EROSION
- SUBLIMATION
- VAPORIZATION

## ABNORMAL PSYCHOLOGY

- (Includes general investigations of irregular mental phenomena including behavior or mental disorders, dreams, hallucinations, and mental retardation. For prevention, diagnosis and therapy of emotional disturbances, see PSYCHIATRY.)*

- UF Clinical psychology
- Psychopathology
- BT PSYCHOLOGY
- NT PSYCHIATRY
- STRESS (PSYCHOLOGY)
- RT ANXIETY
- BEHAVIOR
- CRIMINOLOGY
- EMOTIONS
- FEAR
- SENSORY DEPRIVATION

## Abrasion

- USE ABRASIVES

## Abrasion resistance

- USE WEAR RESISTANCE

## Abrasive coatings

- USE ABRASIVES

## ABRASIVES

- UF Abrasion
- Abrasive coatings
- Broach powders
- Commutator stones
- Grinding materials
- RT CORUNDUM
- DIAMONDS

## ABSORPTION

- (The retention and conversion into another form of energy of rays, waves, or particles by a substance.)*

- RT ACOUSTIC INSULATION
- ATTENUATION
- DESICCANTS
- RESONANCE ABSORPTION
- SHIELDING
- SURFACE PROPERTIES
- VIBRATION ISOLATORS

## Abstracting

- USE ABSTRACTS

## ABSTRACTS

- UF Abstracting
- Briefs
- Resumes
- Summaries
- BT DOCUMENTATION
- RT REPORTS

## ABUNDANCE

- UF Availability

## Acaricides

- USE PESTICIDES

## ACCELERATION

- UF G-forces
- BT MOTION
- RT DECELERATION
- THRUST
- VELOCITY

## Acceleration Integrators

- USE ACCELEROMETERS
- ACCELERATION TOLERANCE**
- BT TOLERANCES (PHYSIOLOGY)
- RT BLACKOUT (PHYSIOLOGY)

## ACCELEROMETERS

- UF Acceleration integrators

## ACCEPTABILITY

- RT MAINTAINABILITY
- QUALITY CONTROL
- STANDARDS
- TOLERANCES (MECHANICS)

## ACCIDENT INVESTIGATION

- RT ACCIDENTS
- AVIATION ACCIDENTS
- AVIATION INJURIES
- AVIATION SAFETY

## ACCIDENTS

- NT AVIATION ACCIDENTS
- COLLISIONS
- MOTOR VEHICLE ACCIDENTS
- RT ACCIDENT INVESTIGATION
- CASUALTIES
- DISASTERS
- EXPLOSIONS
- FIRES
- FIRST-AID
- HAZARDS
- RESCUES
- SAFETY
- SURVIVAL
- WOUNDS & INJURIES

## ACCLIMATIZATION

- (Physiological adjustment to climatic conditions.)*
- BT ADAPTATION (PHYSIOLOGY)
- ACHIEVEMENT TESTS**
- (Standardized educational tests constructed to sample the proficiency level or adequacy of past learning in any given field of study.)*

## ACID-BASE EQUILIBRIUM

- BT PSYCHOMETRICS

## ACIDEMIA

- RT INTELLIGENCE TESTS

## ACIDOSIS

- PSYCHOMOTOR TESTS

## Acidity

- USE PH

## ACIDOSIS

- UF Acidemia

## ACOUSTIC DETECTORS

- BT ACOUSTIC EQUIPMENT
- DETECTION
- DETECTORS

## ACOUSTIC EQUIPMENT

- RT MICROPHONES
- POSITION FINDING
- UF Sound equipment
- NT ACOUSTIC DETECTORS

## ACOUSTIC FILTERS

- ACOUSTIC DETECTORS
- ACOUSTIC FILTERS
- ANECHOIC CHAMBERS
- ELECTROACOUSTIC

## TRANSducers

- HYDROPHONES
- MEGAPHONES
- MICROPHONES
- NOISE GENERATORS
- SOUND GENERATORS
- SOUND REPRODUCTION
- SYSTEMS

## ACOUSTIC OSCILLATORS

- RT HARMONIC ANALYZERS
- HARMONIC OSCILLATORS
- NOISE

## ACOUSTIC FILTERS

- BT ACOUSTIC EQUIPMENT

## ACOUSTIC IMPEDANCE

- UF Impedance (Acoustics)
- BT ACOUSTIC PROPERTIES
- RT IMPEDANCE MATCHING

## ACOUSTIC INSULATION

- UF Insulation (Acoustic)
- Insulators (Acoustic)
- Soundproofing

## RT ABSORPTION

## ACOUSTIC PROPERTIES

- UF Physical properties (Acoustic)
- NT ACOUSTIC IMPEDANCE
- SOUND TRANSMISSION

## RT HARMONIC ANALYZERS

- HARMONIC OSCILLATORS
- NOISE
- RESONANCE
- STANDING-WAVE RATIOS

## ACOUSTIC RANGES

- RT HYDROPHONES

## ACOUSTICS

- (Theoretical studies of the production, behavior, and reception of elastic stress waves in all type of media. For theoretical studies of waves in the audible frequency, see SOUND.)*

## RT ANECHOIC CHAMBERS

- MECHANICAL WAVES
- PSYCHOACOUSTICS
- SOUND
- ULTRASONIC RADIATION

## ACRYLIC RESINS

- UF Lucite
- Perspex
- Plexiglas
- Polymethylmethacrylate

## BT PLASTICS

## Activated carbon

- USE CARBON

## ACTUATORS

- (For actuators with feedback, see SERVOMECHANISMS For indicators, see SYNCHROS.)*

## NT EXPLOSIVE ACTUATORS

- HYDRAULIC ACTUATORS
- RT SERVOMECHANISMS
- SOLENOIDS

## ACUITY

- NT VISUAL ACUITY
- RT PERCEPTION
- SENSORY MECHANISMS
- THRESHOLDS (PHYSIOLOGY)
- TOUCH

## Adaptability (Psychology)

- USE ADJUSTMENT (PSYCHOLOGY)

## ADAPTATION (PHYSIOLOGY)

- UF Altitude adaptation
- Dark adaptation
- General adaptation syndrome
- Light adaptation
- Night vision

## NT ACCLIMATIZATION

- RT STRESS (PHYSIOLOGY)

## ADAPTIVE CONTROL SYSTEMS

- (Control systems that continuously measure and evaluate dynamic performance and supply continuous readjustments on the basis of the evaluations.)*

## UF Self-adaptive control systems

- BT CONTROL SYSTEMS

## ADDITIVES

- NT ANTIOXIDANTS
- FUEL ADDITIVES
- LUBRICANT ADDITIVES

## Adenine

- USE PURINES

## Adenine derivatives

- USE PURINES

## Adenosine

- USE PURINES

## ADENOSINE PHOSPHATES

- UF Adenylic acid
- ADP
- ATP

## RT MUSCLES

- NUCLEOSIDES
- NUCLEOTIDES

## Adenylic acid

- USE ADENOSINE PHOSPHATES

## ADHESION

- RT BONDING
- SURFACE PROPERTIES

## ADHESIVE TAPES

- BT ADHESIVES

## TAPES

## ADHESIVES

- UF Glues
- Metal-glass adhesives
- Metal-plastic adhesives
- Metal-rubber adhesives
- Metal-wood adhesives
- NT ADHESIVE TAPES
- SEALING COMPOUNDS
- RT GAS SEALS
- JOINTS
- METAL JOINTS
- METAL SEALS
- SEALS (STOPPERS)

## Adjustable-pitch propellers

- USE VARIABLE-PITCH PROPELLERS

## ADJUSTMENT (PSYCHOLOGY)

- UF Adaptability (Psychology)
- BT BEHAVIOR
- RT CONDITIONED REFLEX
- GROUP DYNAMICS
- LEADERSHIP
- PSYCHOLOGY

## ADMITTANCE

## Adrenal cortex hormones

- USE CORTICOSTEROID AGENTS

## ADRENAL GLANDS

- BT ENDOCRINE GLANDS
- GLANDS

## ADRENAL MEDULLA HORMONES

- BT HORMONES
- NT EPINEPHRINE
- NEVARTERENOL

## RT AUTONOMIC AGENTS

- SYMPATHOMIMETIC AGENTS

## Adrenalin

- USE EPINEPHRINE

## Adrenergic agents

- USE SYMPATHOMIMETIC AGENTS

## Adrenergic nerves

- USE AUTONOMIC NERVOUS SYSTEM

## ADRENOCORTICOTROPIC

## HORMONE

- UF Corticotropin

## BT HORMONES

## ADRENOCORTICOTROPIC

## HORMONES

- UF ACTH
- Corticotropin

## BT HORMONES

## PITUITARY HORMONES

## Adsorbents

- USE ADSORPTION

## ADSORPTION

- UF Adsorbents
- BT SORPTION
- SURFACE PROPERTIES

## Aeoliopl rotors

- USE JET HELICOPTER ROTORS

## AERIAL CAMERAS

- BT CAMERAS
- RT RADAR RECORDING CAMERAS
- WIDE-FIELD CAMERAS

## AERIAL PHOTOGRAPHS

- BT PHOTOGRAPHS
- RT MOTION PICTURES

## AERIAL PHOTOGRAPHY

- BT PHOTOGRAPHY
- RT AERIAL RECONNAISSANCE

## AERIAL PICKUP SYSTEMS

- BT AIRCRAFT EQUIPMENT
- RT AIR-DROP OPERATIONS

## Aerial propellers

- USE PROPELLERS (AERIAL)

## AERIAL RECONNAISSANCE

- RT AERIAL PHOTOGRAPHY
- AIR FORCE OPERATIONS
- PHOTO INTERPRETATION
- PHOTOGRAMMETRY
- RECONNAISSANCE PLANES

## AERIAL RUDDERS

- UF Rudders (Aerial)



**AERIAL RUDDERS (Con)**

- BT AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC CONTROL SURFACES
- CONTROL SURFACES
- RT FINES
- FLAPS

**AERIAL TARGETS**

- BT TARGETS
- RT DRONES
- SURFACE TARGETS
- TARGET DRONES

**AEROBIOLOGY**

- BT BIOLOGY
- RT ATMOSPHERIC POLLUTION
- POLLEN

**AERODYNAMIC****CHARACTERISTICS**

- BT FLUID DYNAMIC PROPERTIES
- NT AERODYNAMIC FORCES
- HYPERSONIC CHARACTERISTICS
- SUBSONIC CHARACTERISTICS
- SUPERSONIC CHARACTERISTICS
- TRANSONIC CHARACTERISTICS

**AERODYNAMIC CONFIGURATIONS**

*(The relative dispositions of parts the figure, the contour, or the arrangement of parts within structures whose behavior is governed by aerodynamic laws)*

- NT AERIAL RUDDERS
- AERODYNAMIC CONTROL SURFACES
- AERODYNAMIC SLOTS
- AILERONS
- AIR BRAKE FLAPS
- AIRFOILS
- AIRPLANE ENGINE COWLINGS
- AIRPLANE MODELS
- AUTOGYRO ROTORS
- BLADE AIRFOILS
- CANARD CONFIGURATIONS
- CONICAL WINGS
- CRUCIFORM WINGS
- DELTA WINGS
- ELEVATORS
- EXHAUST FAIRINGS
- FLAPS
- FLAT PLATE MODELS
- FLUTTER SIMULATORS
- FREE-FALL MODELS
- HELICOPTER ROTORS
- JET HELICOPTER ROTORS
- LEADING EDGE
- LEADING EDGE FLAPS
- PROPELLERS (AERIAL)
- RINC WINGS
- ROCKET MODELS
- ROTARY WINGS
- ROTOR BLADES (ROTARY WINGS)
- SLOTTED FLAPS
- SPLIT FLAPS
- SPOILERS
- STABILIZERS (HORIZ TAIL SURFACE)
- STABILIZERS (VERT TAIL SURFACE)
- SUBSONIC AIRFOILS
- SUCTION SLOTS
- SUPERSONIC AIRFOILS
- SWEEP WINGS
- SWEEP-BACK WINGS
- SWEEP-FORWARD WINGS
- TAIL HELICOPTER ROTORS
- TRAILING CONTROL SURFACES
- TRAILING EDGE
- TRANSONIC AIRFOILS
- TRIM TABS
- VARIABLE-INCIDENCE WINGS
- VARIABLE-SWEEP WINGS
- VORTEX GENERATORS
- WIND TUNNEL MODELS
- WING INLETS
- WING SLOTS
- WING-BODY CONFIGURATIONS
- WING-ROTOR CONFIGURATIONS
- WINGS
- RT AERODYNAMIC HEATING
- AEROELASTICITY
- AEROSTATICS
- ASPECT RATIO
- CONTROL SURFACES
- DUCTED BODIES
- FLUID DYNAMIC PROPERTIES
- GEOMETRIC FORMS

**AERODYNAMIC CONTROL SURFACES**

- UF Wing tip control surfaces
- BT AERODYNAMIC CONFIGURATIONS
- AIRFOILS
- CONTROL SURFACES
- FLIGHT CONTROL SYSTEMS
- NT AERIAL RUDDERS
- AILERONS
- AIR BRAKE FLAPS
- ELEVATORS
- FLAPS
- LEADING EDGE
- LEADING EDGE FLAPS
- SLOTTED FLAPS
- SPLIT FLAPS
- SPOILERS
- STABILIZERS (HORIZ TAIL SURFACE)
- STABILIZERS (VERT TAIL SURFACE)
- TRAILING CONTROL SURFACES
- TRAILING EDGE
- TRIM TABS
- RT AIRFRAMES
- BOUNDARY LAYER CONTROL SYSTEMS
- CONTROL JETS
- CONTROL STICKS

**AERODYNAMIC FORCES**

*(Forces acting on a body in motion through air or other gas, or in relative motion with respect to air or other gas, and arising from this motion)*

- BT AERODYNAMIC CHARACTERISTICS
- NT DRAG
- GRAVITY
- LIFT
- THRUST
- RT AERODYNAMIC LOADING
- PRESSURE
- AERODYNAMIC HEATING
- BT FLUID DYNAMIC PROPERTIES
- HEATING
- RT ABLATION
- AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC LOADING
- AEROTHERMOELASTICITY
- ATMOSPHERE ENTRY
- GUST LOADS
- LOAD DISTRIBUTION
- AERODYNAMIC LOADING
- BT LOADING (MECHANICS)
- RT AERODYNAMIC FORCES
- AERODYNAMIC HEATING
- GUST LOADS
- LOAD DISTRIBUTION

**Aerodynamic properties**

*USE FLUID DYNAMIC PROPERTIES*

**AERODYNAMIC SLOTS**

*(Nozzle-shaped openings in aerodynamic configurations to improve flow conditions at high angles of attack)*

- UF Slots (Aerodynamic)
- BT AERODYNAMIC CONFIGURATIONS
- NT SLOTTED FLAPS
- SUCTION SLOTS
- WING SLOTS
- RT DUCT INLETS
- DUCTED BODIES
- DUCTS
- ORIFICES

**AERODYNAMICS**

- BT DYNAMICS
- RT MECHANICS

**AEROELASTICITY**

- BT ELASTICITY
- NT AEROTHERMOELASTICITY
- RT AERODYNAMIC CONFIGURATIONS
- FLUID FLOW
- FLUID MECHANICS

**Aeroembolism**

*USE GAS EMBOLISM*

**Aerological balloons**

*USE METEOROLOGICAL BALLOONS*

**AERONAUTICAL BOOMS**

- UF Booms (Aircraft Equipment)
- BT AIRCRAFT EQUIPMENT
- RT AIRCRAFT PROTUBERANCES

**AERONAUTICAL LABORATORIES**

*BT LABORATORIES*

**ALTITUDE CHAMBERS****AERONAUTICS**

- UF Aviation
- BT SCIENTIFIC RESEARCH
- RT AIR FORCE RESEARCH

**AEROSOLS**

- BT COLLOIDS
- RT ATOMIZATION
- POISONOUS GASES
- SMOKES
- SPRAYS

**AEROSPACE CRAFT**

*(Vehicles that function in both the sensible atmosphere and the space environment)*

- UF Aerospace vehicles
- BT SPACECRAFT
- NT AEROSPACE PLANES
- RT AIRCRAFT

**Aerospace ground equipment**

*USE GROUND SUPPORT EQUIPMENT*

**AEROSPACE PLANES**

*(Aerospace craft designed to take off from conventional runways and operate in the outer fringes of the atmosphere by air liquefaction)*

- UF Asp
- BT AEROSPACE CRAFT
- SPACECRAFT
- RT AIRPLANES

**Aerospace vehicles**

*USE AEROSPACE CRAFT*

**AEROSTATICS**

- BT FLUID MECHANICS
- MECHANICS
- STATICS
- RT AERODYNAMIC CONFIGURATIONS
- AEROTHERMOELASTICITY
- BT AEROELASTICITY
- ELASTICITY
- RT ABLATION
- AERODYNAMIC HEATING

**AF (Frequency)**

*USE AUDIOFREQUENCY*

**Afc**

*USE AUTOMATIC FREQUENCY CONTROL*

**AFTERBURNERS**

- RT GAS TURBINES
- TURBOJET ENGINES

**AFTERIMAGES**

- UF Visual after-images
- RT IMAGES

**Age**

*USE AGING (PHYSIOLOGY)*

**Age factors**

*USE AGING (PHYSIOLOGY)*

**AGING (MATERIALS)**

*(Changes in materials or products produced under certain conditions by the passage of time. Includes the act of allowing such changes to take place.)*

- UF Curing
- RT DEGRADATION

**AGING (PHYSIOLOGY)**

- UF Age
- Age factors
- Degeneration (Biology)
- Physiological aging
- Senescence
- RT GROWTH

**AGRICULTURE**

- NT FORESTRY
- RT ECONOMICS
- PLANTS (BOTANY)

**Alicorn tabs**

*USE TRIM TABS*

**AILERONS**

- UF Drooped ailerons
- BT AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC CONTROL SURFACES
- CONTROL SURFACES
- TRAILING CONTROL SURFACES
- RT ELEVATORS

**AIR**

- ST GASES
- NT COMPRESSED AIR
- RT ATMOSPHERE

**Air bearings**

*USE GAS BEARINGS*

**AIR BRAKE FLAPS**

- UF Airspeed brakes
- Dive flaps

**Speed brake flaps**

*Wing speed brakes*

- BT AERODYNAMIC CONFIGURATIONS
- AERODYNAMIC CONTROL SURFACES
- CONTROL SURFACES
- FLAPS
- TRAILING CONTROL SURFACES
- RT BRAKES
- ELEVATORS
- SLOTTED FLAPS
- TOWED BODIES

**Air brakes**

*USE PNEUMATIC BRAKES*

**AIR BRAKING**

*USE AIRCRAFT BRAKING*

**AIR BURST**

*RT NUCLEAR EXPLOSIONS*

**AIR CARRIERS**

*(Organizations operating aircraft certificated by the FAA for the purpose of carrying passengers or cargo for hire. For aircraft operated by air carriers, see TRANSPORT PLANES.)*

- BT CIVIL AVIATION

**AIR CONDITIONING EQUIPMENT**

- BT COOLING & VENTILATING EQUIPMENT
- RT REFRIGERATION SYSTEMS
- VENTILATION DUCTS

**AIR CONTROL CENTERS**

*(The principal air operations installations from which all aircraft and air warning functions of tactical air operations are controlled)*

- RT AIRCRAFT INTERCEPT CONTROL SYSTEMS
- AIRCRAFT INTERCEPTION

**AIR DEFENSE COMMAND**

- BT AIR FORCE
- ARMED FORCES (UNITED STATES)
- MILITARY ORGANIZATIONS
- RT STRATEGIC AIR COMMAND

**AIR EJECTORS**

- BT JET PUMPS
- PUMPS
- RT ENGINE AIR SYSTEMS
- COMPONENTS

**Air flow**

*USE GAS FLOW*

**AIR FORCE**

- BT ARMED FORCES (UNITED STATES)
- MILITARY ORGANIZATIONS
- NT AIR DEFENSE COMMAND
- AIR FORCE LOGISTICS COMMAND
- AIR FORCE SYSTEMS COMMAND
- STRATEGIC AIR COMMAND
- TACTICAL AIR COMMAND
- RT DEPARTMENT OF DEFENSE

**Air force budgets**

*USE ARMED FORCES BUDGETS*

**Air force depots**

*USE SUPPLY DEPOTS*

**AIR FORCE EQUIPMENT**

- BT LOGISTICS

**Air force logistics**

*USE LOGISTICS*

**AIR FORCE LOGISTICS COMMAND**

- UF Air material command
- BT AIR FORCE
- ARMED FORCES (UNITED STATES)

*MILITARY ORGANIZATIONS*

**AIR FORCE OPERATIONS**

- BT ARMED FORCES OPERATIONS
- RT AERIAL RECONNAISSANCE
- ARMED FORCES
- TRANSPORTATION
- FORMATION FLIGHT
- LOGISTICS
- STRATEGIC BOMBING

**AIR FORCE PROCUREMENT**

- BT ARMED FORCES PROCUREMENT
- GOVERNMENT PROCUREMENT
- LOGISTICS
- PROCUREMENT

**AIR FORCE RESEARCH**

- BT ARMED FORCES RESEARCH
- RT AERONAUTICS

**Air Force supplies**

*USE ARMED FORCES SUPPLIES*

**AIR FORCE SYSTEM COMMAND**

BT AIR FORCE  
ARMED FORCES (UNITED STATES)  
MILITARY ORGANIZATIONS

**Air lanes**

USE AIR ROUTES

**AIR MASS ANALYSIS**

UF Frontal analysis  
BT METEOROLOGY

**Air material command**

USE AIR FORCE LOGISTICS COMMAND

**Air position indicators**

USE GROUND-POSITION INDICATORS

**Air raid casualties**

USE CASUALTIES

**Air raid shelters**

USE SHELTERS

**AIR ROUTE TRAFFIC CONTROL**

RT ATC ENROUTE  
FLIGHT PATTERNS

**AIR ROUTE TRAFFIC CONTROL CENTERS**

UF Air traffic control centers  
ATCC  
BT AIR TRAFFIC CONTROL SYSTEMS  
RT AIRPORT CONTROL TOWERS  
AIRPORTS  
ATC TERMINAL AREA  
TERMINAL FLIGHT FACILITIES

**AIR ROUTES**

(Navigable airspace between two points which is identifiable)

UF Air lanes  
Enroute  
Jet routes  
Routes  
BT FLIGHT PATHS  
RT AIRSPACE  
AIRWAYS  
ATC ENROUTE  
FLIGHT PATTERNS  
FLIGHT PLANS

**AIR SCOOPS**

UF Scoops (Engines)

**Air sickness**

USE MOTION SICKNESS

**Air space**

USE AIRSPACE

**Air stabilizers**

USE STABILIZATION SYSTEMS

**AIR TRAFFIC**

BT TRAFFIC  
NT PEAK AIR TRAFFIC  
RT AIR TRANSPORTATION  
ALL-WEATHER AVIATION  
AVIATION SAFETY  
CIVIL AVIATION  
TERMINAL FLIGHT FACILITIES

**Air traffic control centers**

USE AIR ROUTE TRAFFIC CONTROL CENTERS

**AIR TRAFFIC CONTROL SYSTEMS**

(The personnel equipment and techniques for regulating aircraft movements and flight patterns of aircraft in a given air space)

NT AIR ROUTE TRAFFIC CONTROL CENTERS  
AIRPORT CONTROL TOWERS  
ATC ENROUTE  
CLEARANCE  
POSITIVE CONTROL  
RT AIRPORT RADAR SYSTEMS  
AIRPORTS  
ALL-WEATHER AVIATION  
AVIATION SAFETY  
CIVIL AVIATION  
COLLISION AVOIDANCE  
FLIGHT PLANS  
FLIGHT PROGRESS STRIPS  
FLIGHT SERVICE STATIONS  
HOLDING PATTERNS  
LANDING AIDS  
LANDING FEELS  
RADAR HANDOFF  
RADAR LANDING CONTROL  
TERMINAL FLIGHT FACILITIES

**AIR TRAFFIC CONTROLLERS**

BT AVIATION PERSONNEL  
OPERATIONS PERSONNEL  
RT FLIGHT SERVICE SPECIALISTS

**RADAR OPERATORS**

**RADIO OPERATORS**

**AIR TRANSPORTATION**

(The conveyance of cargo or personnel by aircraft. Equipment and systems characterized by use aboard aircraft are indicated as AIRBORNE)

UF Airlift  
BT TRANSPORTATION  
RT AIR TRAFFIC  
AIR-DROP OPERATIONS  
AIRPORT SURFACE TRAFFIC  
ARMED FORCES  
TRANSPORTATION  
CIVIL AVIATION

**AIR-BREATHING ENGINES (UNCONV)**

**AIR-COOLED**

**AIR-DROP OPERATIONS**

BT ARMED FORCES OPERATIONS  
RT AERIAL PICKUP SYSTEMS  
AIR TRANSPORTATION  
PARACHUTE DESCENTS  
PARACHUTE JUMPING  
PARACHUTES

**AIR-INTAKE FILTERS**

BT FILTERS (FLUID)  
RT INDUCTION SYSTEMS  
JET ENGINE INLETS

**AIR-SEA RESCUE BEACONS**

BT BEACONS  
RESCUE BEACONS

**AIR-SEA RESCUES**

BT RESCUES  
SEA RESCUES  
RT SEA RESCUE EQUIPMENT  
SURVIVAL

**AIR-TO-AIR**

**AIR-TO-SURFACE**

**AIR-TOWED**

**AIRBORNE**

**AIRCRAFT**

UF Flight recorders  
Propeller driven aircraft  
NT AIRPLANES  
AIRSHIPS  
AMPHIBIAN PLANES  
ANTISUBMARINE AIRCRAFT  
ARMY AIRCRAFT  
ATTACK BOMBERS  
AUTOGYROS  
BALLOONS  
BOMBERS  
CONVERTIBLE AIRPLANES  
DRONES  
FIGHTERS  
FLYING BOATS  
FLYING PLATFORMS  
GENERAL AVIATION AIRCRAFT  
GLIDERS  
GROUND EFFECT MACHINES  
HELICOPTERS  
HYPERSONIC PLANES  
JET BOMBERS  
JET FIGHTERS  
JET FLYING BOATS  
JET PLANES  
JET TRAINING PLANES  
JET TRANSPORT PLANES  
METEOROLOGICAL BALLOONS  
MILITARY AIRCRAFT  
NAVAL AIRCRAFT  
OBSERVATION PLANES  
PARASITE PLANES  
PATROL BOMBERS  
PATROL PLANES  
RECONNAISSANCE PLANES  
RESEARCH PLANES  
ROCKET PLANES  
SEAPLANES  
SHORT TAKE-OFF PLANES  
SUPERSONIC PLANES  
SUPERSONIC TRANSPORTS  
TAILLESS AIRPLANES  
TARPER PLANES  
TARGET DRONES  
TOWING PLANES  
TRAINING PLANES  
TRANSFORMER PLANES  
TRANSPORT PLANES  
UTILITY PLANES  
VERTICAL TAKE-OFF PLANES  
WATER-BASED AIRPLANES  
RT AEROSPACE CRAFT  
INFLATABLE STRUCTURES  
PROPULSION  
SPACECRAFT

**Aircraft accidents**

USE AVIATION ACCIDENTS

**AIRCRAFT BRAKING**

(The phenomenon of force applied to an aircraft to impede motion)

UF Air braking  
Ground braking

**AIRCRAFT CABINS**

(Inclosed compartments in aircraft for cargo, passengers or crew members. For similar compartments especially designed for the pilot or for the pilot and copilot, see COCKPITS)

BT AIRCRAFT EQUIPMENT  
RT AIRCRAFT PROTUBERANCES  
AIRCRAFT SEATS  
COCKPITS  
JETTISONABLE COCKPITS  
JETTISONABLE EQUIPMENT  
PRESSURIZED CABINS

**AIRCRAFT CANOPIES**

UF Canopies  
BT AIRFRAMES  
RT TRANSPARENT PANELS

**Aircraft clocks**

USE CLOCKS

**AIRCRAFT DEFENSE SYSTEMS**

BT DEFENSE SYSTEMS

**AIRCRAFT EQUIPMENT**

(Devices located in or on aircraft excluding the control surfaces, parts of the airframe and the propulsion system)

NT AERIAL PICKUP SYSTEMS  
AERONAUTICAL BOOMS  
AIRCRAFT CABINS  
AIRCRAFT SEATS  
AIRCRAFT TIRES  
AIRPLANE ANTENNAS  
AIRPLANE ENGINE HEATERS  
BOUNDARY LAYER CONTROL SYSTEMS  
COCKPITS  
CONTROL STICKS  
DE-ICING SYSTEMS  
EJECTION SEATS  
GONDOLAS  
HELICOPTER HOISTS  
HYDRO-SKIS  
JETTISONABLE COCKPITS  
JETTISONABLE EQUIPMENT  
LANDING GEAR  
LANDING GEAR DOORS  
LANDING LIGHTS  
NOSE WHEELS  
PILOT SEATS  
SEAPLANE FLOATS  
TAIL WHEELS  
RT AIRCRAFT PROTUBERANCES  
AIRFRAMES  
BALLOON EQUIPMENT  
CONTROL KNOBS  
CONTROL PANELS  
CONTROL SURFACES  
FAIRINGS  
FLIGHT INSTRUMENTS  
NACELLES  
PRESSURIZED CABINS  
PROPELLERS (AERIAL)

**Aircraft escape capsules**

USE JETTISONABLE COCKPITS

**AIRCRAFT FINISHES**

BT FINISHES & FINISHING

**AIRCRAFT FIRE CONTROL SYSTEMS**

(Systems containing target locating computers and directors for employing anti-aircraft weapons against air or surface targets)

BT FIRE CONTROL SYSTEMS

**AIRCRAFT FIRES**

BT FIRES

**RT AVIATION ACCIDENTS**

AVIATION INJURIES  
AVIATION SAFETY

**Aircraft floor coverings**

USE FLOOR COVERINGS

**AIRCRAFT INDUSTRY**

BT INDUSTRIES

**AIRCRAFT INTERCEPT CONTROL SYSTEMS**

RT AIR CONTROL CENTERS

INSTRUMENT LANDING

**AIRCRAFT INTERCEPTION**

BT INTERCEPTION

**RT AIR CONTROL CENTERS**

**AIRCRAFT MARKINGS**

**AIRCRAFT NUCLEAR PROPULSION**

BT PROPULSION

**RT NUCLEAR POWER PLANTS**

**Aircraft passengers**

USE PASSENGERS

**AIRCRAFT PROTUBERANCES**

UF Airplane protuberances  
RT AERONAUTICAL BOOMS  
AIRCRAFT CABINS  
AIRCRAFT EQUIPMENT  
AIRPLANE ANTENNAS  
AIRPLANE NOSES  
ENGINE NACELLES  
FUEL TANKS  
GONDOLAS  
JET ENGINE NACELLES  
JETTISONABLE EQUIPMENT  
LANDING GEAR  
LANDING GEAR DOORS  
NACELLES  
SEAPLANE FLOATS

**AIRCRAFT SEATS**

BT AIRCRAFT EQUIPMENT  
NT EJECTION SEATS  
PILOT SEATS

**RT AIRCRAFT CABINS**

**AIRCRAFT STRUCTURES**

USE AIRCRAFT SYSTEMS

**AIRCRAFT SYSTEMS**

(The electrical, mechanical, and structural systems of an aircraft)

UF Aircraft structures  
Electrical systems  
Mechanical systems  
NT FLIGHT CONTROL SYSTEMS  
HYDRAULIC SYSTEMS  
PNEUMATIC SYSTEMS  
POWER PLANTS (AIRCRAFT)  
WEAPON SYSTEM

**AIRCRAFT TIRES**

BT AIRCRAFT EQUIPMENT  
LANDING GEAR  
RT NOSE WHEELS  
TAIL WHEELS

**AIRCRAFT TRACTORS**

BT TOWING VEHICLES  
TRACTORS  
VEHICLES

**Aircraft wheel brakes**

USE VEHICLE BRAKES

**Airfields**

USE LANDING FIELDS

**AIRFOLDS**

BT AERODYNAMIC CONFIGURATIONS  
NT AERODYNAMIC CONTROL SURFACES  
BLADE AIRFOLDS  
SUBSONIC AIRFOLDS  
SUPERSONIC AIRFOLDS  
TRANSONIC AIRFOLDS  
WINGS

**RT FIRES**

LEADING EDGE  
PROPELLER BLADES

**AIRFRAME BEARINGS**

BT BEARINGS  
RT BALL BEARINGS  
ROLLER BEARINGS

**AIRFRAMES**

UF Frames (Aircraft)  
NT AIRCRAFT CANOPIES  
AIRPLANE NOSES  
AIRPLANE PANELS  
FLYING BOAT HULLS  
FUSELAGES  
TAILS (AIRCRAFT)

**RT AERODYNAMIC CONTROL SURFACES**

AIRCRAFT EQUIPMENT  
ENGINE NACELLES  
GEOMETRIC FORMS  
JET ENGINE FAIRINGS  
JET ENGINE NACELLES  
LANDING GEAR  
LANDING GEAR DOORS  
LANDING LIGHTS  
MONOCOQUES  
NACELLES  
NOSE WHEELS

**Airglow**

USE SKY BRIGHTNESS

**AIRW**

USE AIR TRANSPORTATION

**Airline passengers**

USE PASSENGERS

**Airman certificates**

USE LICENSING

**Airplane accidents**

USE AVIATION ACCIDENTS

**AIRPLANE ANTENNAS**

BT AIRCRAFT EQUIPMENT

ANTENNAS

RT AIRCRAFT PROTUBERANCES

**AIRPLANE ENGINE COWLINGS**

BT AERODYNAMIC CONFIGURATIONS

**AIRPLANE ENGINE DUCTS**

RT INDUCTION SYSTEMS

JET ENGINE INLETS

**AIRPLANE ENGINE HEATERS**

BT AIRCRAFT EQUIPMENT

**Airplane engine ignition systems**

USE IGNITION SYSTEMS

**AIRPLANE ENGINE NOISE**

BT ENGINE NOISE

NOISE

RT AIRPLANE NOISE

**AIRPLANE ENGINE OILS**

BT LUBRICANTS

OILS

**Airplane engine starters**

USE ENGINE STARTERS

**AIRPLANE ENGINES**

BT POWER PLANTS (AIRCRAFT)

RT HELICOPTER ENGINES

JET ENGINES

ROCKET MOTORS

**Airplane launching**

USE CATAPULTS

**AIRPLANE MODELS**

BT AERODYNAMIC CONFIGURATIONS

MODELS (SIMULATIONS)

RT FREE-FALL MODELS

ROCKET MODELS

WIND TUNNEL MODELS

**AIRPLANE NOISE**

BT NOISE

RT AIRPLANE ENGINE NOISE

JET PLANE NOISE

**AIRPLANE NOSES**

BT AIRFRAMES

RT AIRCRAFT PROTUBERANCES

FUSELAGES

**AIRPLANE PANELS**

BT AIRFRAMES

PANELS (STRUCTURAL)

STRUCTURAL PARTS

RT FUSELAGES

HONEYCOMB CORES

SANDWICH PANELS

TRANSPARENT PANELS

**Airplane protuberances**

USE AIRCRAFT PROTUBERANCES

**Airplane refueling**

USE REFUELING

**Airplane speed**

USE FLIGHT SPEEDS

**AIRPLANES**

BT AIRCRAFT

NT AMPHIBIAN PLANES

ATTACK BOMBERS

BOMBERS

CONVERTIBLE AIRPLANES

FIGHTERS

FLYING BOATS

GLIDERS

HYPERSONIC PLANES

JET BOMBERS

JET FIGHTERS

JET FLYING BOATS

JET PLANES

JET TRAINING PLANES

JET TRANSPORT PLANES

OBSERVATION PLANES

PARASITE PLANES

PATROL BOMBERS

PATROL PLANES

RECONNAISSANCE PLANES

RESEARCH PLANES

ROCKET PLANES

SEAPLANES

SHORT TAKE-OFF PLANES

SUPERSONIC PLANES

TAILLESS AIRPLANES

TANKER PLANES

TOWING PLANES

TRAINING PLANES

TRANSONIC PLANES

TRANSPORT PLANES

**UTILITY PLANES**

VERTICAL TAKE-OFF PLANES

WATER-BASED AIRPLANES

RT

AEROSPACE PLANES

ANTISUBMARINE AIRCRAFT

ARMY AIRCRAFT

AUTOGYROS

FLYING PLATFORMS

GROUND EFFECT MACHINES

HELICOPTERS

NAVAL AIRCRAFT

**Airport aprons**

USE APRONS

**AIRPORT CONTROL TOWERS**

BT AIR TRAFFIC CONTROL SYSTEMS

LANDING AIDS

TERMINAL FLIGHT FACILITIES

RT AIR ROUTE TRAFFIC CONTROL

CENTERS

ATC TERMINAL AREA

RADAR LANDING CONTROL

**Airport radar scanners**

USE AIRPORT RADAR SYSTEMS

and RADAR SCANNING

**AIRPORT RADAR SYSTEMS**

(Radar systems used at airports for various applications including navigation, weather observation, and traffic control.)

UF Airport radar scanners

Navar

Navascopes

Surveillance radar

BT RADAR

RT AIR TRAFFIC CONTROL SYSTEMS

ATC TERMINAL AREA

GROUND-CONTROLLED

APPROACH RADAR

METEOROLOGICAL RADAR

RADAR NAVIGATION

SEARCH RADAR

**AIRPORT SURFACE TRAFFIC**

(Aircraft operating on the airport surface for movement of service vehicles, etc. see TRAFFIC)

BT TRAFFIC

RT AIR TRANSPORTATION

AIRPORTS

ALL-WEATHER AVIATION

ATC TERMINAL AREA

AVIATION SAFETY

**AIRPORTS**

BT TERMINAL FLIGHT FACILITIES

NT HELIPORTS

RT AIR ROUTE TRAFFIC CONTROL

CENTERS

AIR TRAFFIC CONTROL SYSTEMS

AIRPORT SURFACE TRAFFIC

APRONS

FLIGHT SERVICE STATIONS

LANDING AIDS

LANDING FIELDS

**AIRSHIPS**

(Lighter-than-air aircraft that have their own means of propulsion and flight control.)

UF Blimps

Dirigibles

BT AIRCRAFT

RT BALLOONS

**AIRSPACE**

(Space in the air above the surface of the earth or a particular portion of such space, usually defined by the boundaries of an area on the surface projected upward.)

UF Air space

RT AIR ROUTES

AIRWAYS

FLIGHT PATHS

**AIRSPEED**

BT VELOCITY

NT MACH NUMBER

RT FLIGHT SPEEDS

GROUND SPEED

**Airspeed brakes**

USE AIR BRAKE FLAPS

**AIRSPEED INDICATORS**

BT FLIGHT INSTRUMENTS

FLIGHT SPEED INDICATORS

RT GROUND-POSITION INDICATORS

GROUND-SPEED INDICATORS

MACHMETERS

RATE-OF-CLIMB INDICATORS

STALL-WARNING INDICATORS

**Airstream direction detectors**

USE ALTITUDE INDICATORS

**AIRWAYS**

(A 10 mile wide path through the navigable airspace designated by the FAA as extending from the ground to 24,000 feet above mean sea level.)

UF Slant airways

RT AIR ROUTES

AIRSPACE

ATC ENROUTE

ATC TERMINAL AREA

FLIGHT PATHS

FLIGHT PLANS

**AIRWORTHINESS**

BT AVIATION SAFETY

RT LICENSING

**Airy series**

USE SERIES

**Airy-Hardy integrals**

USE INTEGRALS

**Alarms**

USE WARNING SYSTEMS

**ALCOHOL**

BT CNS DEPRESSANTS

ORGANIC COMPOUNDS

RT PHARMACOLOGY

PHYSIOLOGY

**Aldosterone**

USE CORTICOSTEROID AGENTS

**Aldosterone antagonists**

USE DIURETICS

**Alertness**

USE ATTENTION

**Allyan waves**

USE MAGNETOHYDRODYNAMICS

**ALGAE**

UF Chlorophyta

Chrysophyta

Cyanophyta

Euglenophyta

Hydrophytes

Pyrrophytes

Rhodophyta

Seaweed

BT PLANTS (BOTANY)

RT FUNGI

**ALGEBRA**

UF Abelian fields

Boolean lattices

Boolean sums

Discriminants

Embedding theory

Hilbert's nullstellensatz

L-ideals

Lattice sums

Lattices (Mathematics)

Lie rings

Modules (Mathematics)

Ordered division rings

Prime rings

Ring domains

Semi-lattices

Struct ideals

Torsion products

**ALGEBRAIC TOPOLOGY**

UF Amitsur-Levitski theorem

Cohomology

Fiberings

Fibre bundles

Fibre systems

Flows (Topology)

Geodesic flows

Homotopy

Kronecker method

Kuranishi theory

Line bundles

N-plane bundles

Neighborhood retract

Non-abelian cohomology

Poincaré duality (Theorem)

Pontryagin product

Prolongations

Real Grassman manifolds

Riemannian space

Vector bundles

**Aigol**

USE PROGRAMMING LANGUAGES

**ALKALI METAL COMPOUNDS**

NT LITHIUM COMPOUNDS

RT INORGANIC COMPOUNDS

**ALKALINE EARTH COMPOUNDS**

RT INORGANIC COMPOUNDS

**ALKALINE EARTH METALS**

BT GROUP II ELEMENTS

METALS

**ALKALOIDS**

RT DRUGS

**Alkyd resins**

USE POLYESTER PLASTICS

**ALL-WEATHER AVIATION**

RT AIR TRAFFIC

AIR TRAFFIC CONTROL SYSTEMS

AIRPORT SURFACE TRAFFIC

ATC ENROUTE

ATC TERMINAL AREA

AVIATION SAFETY

CARRIER LANDINGS

INSTRUMENT LANDINGS

LANDING AIDS

LANDING FIELDS

NAVAL AVIATION

POSITIVE CONTROL

TERMINAL FLIGHT FACILITIES

**Ally-wing gliders**

USE GLIDERS

**ALLERGY**

UF Anaphylactic shock

Asthma

Hypersensitivity

Schwartzman phenomenon

RT ANTIGEN-ANTIBODY REACTIONS

**ALLOYS**

BT ALUMINUM ALLOYS

BORON ALLOYS

BRASS

CHROMIUM ALLOYS

COBALT ALLOYS

COPPER ALLOYS

CORROSION-RESISTANT ALLOYS

HEAT-RESISTANT METALS &amp;

ALLOYS

IRON ALLOYS

LOW-TEMPERATURE ALLOYS

MAGNESIUM ALLOYS

MOLYBDENUM ALLOYS

NICKEL ALLOYS

NIOBIUM ALLOYS

PALLADIUM ALLOYS

POTASSIUM ALLOYS

SILVER ALLOYS

SODIUM ALLOYS

SOLDERING ALLOYS

STAINLESS STEEL

STEEL

TANTALUM ALLOYS

THORIUM ALLOYS

TITANIUM ALLOYS

TUNGSTEN ALLOYS

VANADIUM ALLOYS

RT CERMETS

COLLOIDS

EUTECTICS

**Almost periodic functions**

USE FUNCTIONS

**ALTERNATING CURRENT**

BT ELECTRIC CURRENTS

ELECTRICITY

RT PARTICLE ACCELERATOR

COMPONENTS

PARTICLE ACCELERATOR

TECHNIQUES

PARTICLE BEAMS

# THESAURUS OF TERMS

**ALUMINUM COMPOUNDS**  
 BT CHEMICAL COMPOUNDS

**AMBULANCES**  
 BT PASSENGER VEHICLES  
 VEHICLES  
 RT CRASH VEHICLES

**Amidomycin**  
 USE ANTIBIOTICS

**AMINO ACIDS**  
 RT PROTEINS  
 PROTEINS (CONJUGATED)

**Aminobenzoic acid (Para)**  
 USE VITAMIN B COMPLEX

**Aminopurines**  
 USE PURINES

**Amitsur-Levitski theorem**  
 USE ALGEBRAIC TOPOLOGY

**AMMETERS**  
**Ammunition hoists**  
 USE HOISTS

**AMPHETAMINES**  
 UF Benzadrine sulfate  
 Desoxyephedrine  
 Dextro-amphetamine sulfate  
 Methamphetamine  
 Paredrine  
 Pervitin

BT AUTONOMIC AGENTS  
 CNS STIMULANTS  
 SYMPATHOMIMETIC AGENTS

RT VASOACTIVE AGENTS

**AMPHIBIAN PLANES**  
 BT AIRCRAFT  
 AIRPLANES  
 WATER-BASED AIRPLANES

RT FLYING BOATS  
 JET PLANES  
 SEAPLANES

**Amphibious drones**  
 USE DRONES

**AMPLIFIERS**  
 UF Linear amplifiers

NT AUDIO AMPLIFIERS  
 BACKWARD-WAVE AMPLIFIERS  
 BAND-PASS AMPLIFIERS  
 FEEDBACK AMPLIFIERS  
 INTERMEDIATE FREQUENCY AMPLIFIERS  
 IRASERS  
 LASERS  
 MAGNETIC AMPLIFIERS  
 MASERS  
 MICROWAVE AMPLIFIERS  
 PARAMETRIC AMPLIFIERS  
 PHOTOMULTIPLIERS  
 POWER AMPLIFIERS  
 PREAMPLIFIERS  
 PUSH-PULL AMPLIFIERS  
 RADIOFREQUENCY AMPLIFIERS  
 SERVO AMPLIFIERS  
 TRANSISTOR AMPLIFIERS  
 TUNED AMPLIFIERS  
 VIDEO AMPLIFIERS  
 VOLTAGE AMPLIFIERS

**AMPLITUDE MODULATION**  
 BT MODULATION  
 RT FREQUENCY MODULATION  
 PHASE MODULATION  
 PULSE MODULATION  
 SIDEBANDS

**Amyloidosis**  
 USE METABOLISM DISORDERS

**Anaerobic spores**  
 USE SPORES

**Analeptics**  
 USE CNS STIMULANTS

**ANALOG COMPUTERS**  
 UF Differential analyzers

BT COMPUTERS  
 RT DIGITAL COMPUTERS  
 SPECIAL PURPOSE COMPUTERS

**ANALOG SYSTEMS**  
 RT DIGITAL SYSTEMS

**ANALOG-DIGITAL COMPUTERS**  
 UF Hybrid computers

BT COMPUTERS  
 RT DIGITAL COMPUTERS  
 SPECIAL PURPOSE COMPUTERS

**ANALOG-TO-DIGITAL CONVERTERS**  
 BT INPUT-OUTPUT DEVICES  
 RT DIGITAL-TO-ANALOG CONVERTERS

**ANALYSIS**  
**ANALYSIS OF VARIANCE**  
 UF Variance analysis  
 RT STATISTICAL ANALYSIS

**Analytic functions**  
 USE FUNCTIONS

**Anaphylactic shock**  
 USE ALLERGY

**ANATOMY**  
 RT ANTHROPOMETRY  
 BODY  
 GASTROINTESTINAL SYSTEM  
 NERVOUS SYSTEM  
 PHYSIOLOGY

**Anchor bolts**  
 USE ANCHORS (STRUCTURAL)

**Anchor plates**  
 USE ANCHORS (STRUCTURAL)

**ANCHORS (STRUCTURAL)**  
 UF Anchor bolts  
 Anchor plates  
 Ground anchors  
 Guy stakes  
 Sikes

BT STRUCTURAL PARTS  
 RT MOUNTING BRACKETS

**ANECHOIC CHAMBERS**  
 BT ACOUSTIC EQUIPMENT  
 RT ACOUSTICS

**ANEMOMETERS**  
 UF Glow anemometers  
 Hot-wire anemometers  
 Leakage current anemometers  
 Wind gages

BT METEOROLOGICAL INSTRUMENTS  
 METERS

RT VERTICAL-GUST RECORDERS  
 WIND-DIRECTION INDICATORS

**Aneroid chambers**  
 USE ALTIMETERS

**ANESTHESIA**  
 UF Narcosis  
 RT HYPOTHERMIA

**ANESTHETICS**  
*(Agents that produce local or general insensibility to pain, touch, or other stimuli. General anesthetics produce loss of all consciousness. For agents that relieve pain before producing unconsciousness, see NARCOTICS. For agents that affect specific sensory nerves, see LOCAL ANESTHETICS.)*  
 BT CNS DEPRESSANTS  
 RT HYPOTHERMIA

**Angle of approach indicators**  
 USE GLIDE PATH  
 and LANDING AIDS

**ANGLE OF ARRIVAL**  
 RT ELECTROMAGNETIC WAVES  
 MICROWAVE COMMUNICATION SYSTEMS  
 RADIO RECEPTION

**ANGLE OF ATTACK**  
 UF Angle of attack indicators  
 RT DRAG  
 TRIM

**Angle of attack indicators**  
 USE ANGLE OF ATTACK  
 and ATTITUDE INDICATORS

**Angular momentum**  
 USE MOMENTUM

**ANIMALS**  
*(General studies of the kingdom. Animals or of species not specifically represented.)*  
 NT BIRDS  
 CRUSTACEA  
 DOGS  
 LABORATORY ANIMALS  
 MAMMALS  
 MAN  
 MICE  
 PRIMATES  
 RATS  
 RODENTS  
 SWINE

RT HIBERNATION  
 MICROORGANISMS

**Anisokonia**  
 USE VISION

**ANISOTROPY**  
 BT SYMMETRY  
 (CRYSTALLOGRAPHY)

RT CRYSTAL STRUCTURE

**ANNULAR NOZZLES**  
 BT NOZZLES  
 ROCKET MOTOR NOZZLES

**Annular wings**  
 USE PING WINGS

**ANODES**  
 BT ELECTRODES  
 RT CATHODES

**ANODES (ELECTROLYTIC CELL)**  
 BT BATTERIES & COMPONENTS  
 ELECTRODES

**Anoxia**  
 USE HYPOXIA

**Antarctic regions**  
 USE POLAR REGIONS

**Antenna arrays**  
 USE ANTENNA CONFIGURATIONS

**ANTENNA COMPONENTS**  
*(Circuits, devices, and hardware for all types of antennas.)*  
 UF Antenna couplers  
 Antenna filters

NT ANTENNA FEEDS  
 ANTENNA MASTS  
 RT ANTENNAS

**ANTENNA CONFIGURATIONS**  
*(Antennas distinguished by special design characteristics.)*  
 UF Antenna arrays  
 BT ANTENNAS

NT CONICAL ANTENNAS  
 COUPLED ANTENNAS  
 DIPOLE ANTENNAS  
 HELICAL ANTENNAS  
 HORN ANTENNAS  
 LENS ANTENNAS  
 LOOP ANTENNAS  
 OMNIDIRECTIONAL ANTENNAS  
 PARABOLIC ANTENNAS  
 SLOT ANTENNAS  
 SPIRAL ANTENNAS

**Antenna couplers**  
 USE ANTENNA COMPONENTS

**ANTENNA FEEDS**  
 UF Antenna horns  
 Horns (Antenna)

BT ANTENNA COMPONENTS  
 RT ANTENNA MASTS  
 TRANSMISSION LINES

**Antenna filters**  
 USE ANTENNA COMPONENTS  
 and BAND-PASS FILTERS

**Antenna gain**  
 USE GAIN

**Antenna horns**  
 USE ANTENNA FEEDS

**ANTENNA LOBES**  
 UF Lobing  
 Side lobe suppressors

BT ANTENNA RADIATION PATTERNS

**ANTENNA MASTS**  
 BT ANTENNA COMPONENTS  
 RT ANTENNA FEEDS

**ANTENNA RADIATION PATTERNS**  
 NT ANTENNA LOBES  
 RT ELECTROMAGNETIC LENSES

**ANTENNA SIMULATORS**  
 BT SIMULATION

**ANTENNAS**  
 UF Direction finding antennas  
 Wideband antennas

NT AIRPLANE ANTENNAS  
 ANTENNA CONFIGURATIONS  
 CONICAL ANTENNAS  
 COUPLED ANTENNAS  
 DIPOLE ANTENNAS  
 GROUND VEHICLE ANTENNAS  
 HELICAL ANTENNAS  
 HORN ANTENNAS  
 LENS ANTENNAS  
 LOOP ANTENNAS  
 OMNIDIRECTIONAL ANTENNAS  
 PARABOLIC ANTENNAS  
 RADAR ANTENNAS  
 SATELLITE ANTENNAS  
 SLOT ANTENNAS  
 SPIRAL ANTENNAS  
 TELEVISION ANTENNAS

RT ANTENNA COMPONENTS

**Anthropological data**  
 USE ANTHROPOLOGY

**ANTHROPOLOGY**  
 UF Anthropological data  
 Ethnology

# ANTISUBMARINE AIRCRAFT

NT ANTHROPOMETRY  
 RT SOCIOLOGY

**ANTHROPOMETRY**  
*(Science of measuring the human body and its parts and functional capacities.)*  
 BT ANTHROPOLOGY  
 RT ANATOMY  
 BODY  
 MAN

**Anti-collision**  
 USE COLLISION AVOIDANCE

**Anticollision suits**  
 USE PRESSURE SUITS

**ANTI-AIRCRAFT DEFENSE SYSTEMS**  
 UF Blackout systems  
 BT DEFENSE SYSTEMS  
 RT CIVIL DEFENSE SYSTEMS  
 EARLY WARNING SYSTEMS

**ANTIBIOTICS**  
 UF Amidomycin  
 Fungigilin  
 Prodigiosin

RT DRUGS

**Antiblackout suits**  
 USE PRESSURE SUITS

**ANTICYCLONES**  
 BT METEOROLOGICAL PHENOMENA  
 RT CYCLONES

**ANTIEMETICS**  
 UF Antinauseants  
 RT ANTIHISTAMINICS  
 ANTIMOTION SICKNESS AGENTS  
 DRUGS  
 EMESIS  
 MOTION SICKNESS

**ANTIFERROMAGNETISM**  
 BT MAGNETISM  
 RT FERROMAGNETISM

**ANTIFOGGING AGENTS**  
 RT PROTECTIVE TREATMENTS

**ANTIFOULING COATINGS**  
 UF Antifouling paints  
 BT COATINGS  
 FINISHES & FINISHING  
 PROTECTIVE TREATMENTS

**Antifouling paints**  
 USE ANTIFOULING COATINGS

**ANTIFRICTION BEARINGS**  
*(Roller support bearings that do not encircle the shaft.)*  
 UF Rolling contact bearings

BT BEARINGS  
 NT BALL BEARINGS  
 ROLLER BEARINGS  
 RT GAS BEARINGS

**ANTIGEN-ANTIBODY REACTIONS**  
 UF Sensitization  
 RT ALLERGY

**ANTIHISTAMINICS**  
 UF Histamine antagonists  
 RT ANTIEMETICS  
 ANTIMOTION SICKNESS AGENTS  
 CNS DEPRESSANTS  
 DRUGS

**Antihypertensive agents**  
 USE VASOACTIVE AGENTS

**Antintrusion alarms**  
 USE WARNING SYSTEMS

**ANTIMOTION SICKNESS AGENTS**  
 RT ANTIEMETICS  
 ANTIHISTAMINICS  
 AUTONOMIC AGENTS  
 DRUGS

**Antinauseants**  
 USE ANTIEMETICS

**ANTIOXIDANTS**  
 UF Inhibitors (Oxidation)  
 Oxidation inhibitors

BT ADDITIVES

**Antipest impregnants**  
 USE PESTICIDES

**Antiradiation agents**  
 USE Radio protective agents  
 and RADIOPROTECTIVE AGENTS

**ANTIRAIN AGENTS**  
 RT COATINGS  
 PROTECTIVE TREATMENTS

**ANTISUBMARINE AIRCRAFT**  
*(All types of aircraft, including airships, bombers, drones, and helicopters, for use against submarines.)*  
 BT AIRCRAFT  
 RT AIRPLANES

# Antitoxins

# THESAURUS OF FAA DESCRIPTORS

## Antitoxins

USE TOXINS AND ANTITOXINS

## ANXIETY

BT EMOTIONS  
RT ABNORMAL PSYCHOLOGY  
FEAR  
PSYCHIATRY  
PSYCHOLOGY  
REACTION (PSYCHOLOGY)  
STRESS (PSYCHOLOGY)

## AORTA

BT ARTERIES  
BLOOD VESSELS  
CARDIOVASCULAR SYSTEM  
RT BLOOD  
HEART

## APPLIED PSYCHOLOGY

(The science or art of securing desired conduct in oneself or other by utilizing the physical, psychological, or social conditions as they relate to the individuals effectiveness in the desired conduct.)

UF Psychotechnology  
BT PSYCHOLOGY  
NT INDUSTRIAL PSYCHOLOGY  
MILITARY PSYCHOLOGY  
RT BEHAVIOR  
HUMAN ENGINEERING  
PSYCHOMETRICS  
PSYCHOMOTOR TESTS

## APPROACH

(Maneuvering of an aircraft into a position downwind of the airfield in order to line-up with the runway prior to touchdown.)

UF Final approach  
Initial approach  
BT FLIGHT  
NT FLAREOUT  
RT DESCENT  
FLIGHT PATHS  
GLIDE PATH  
LANDING  
MISSED APPROACH

## Approach control

USE ATC TERMINAL AREA

## APPROACH INDICATORS

BT LANDING AIDS

## APPROACH LIGHTS

BT LANDING AIDS  
MARKER LIGHTS  
TERMINAL FLIGHT FACILITIES  
RT BEACON LIGHTS  
LANDING MATS  
NAVIGATIONAL LIGHTS  
SIGNAL LIGHTS  
STROBE LIGHTS

## Approximate computation

USE NUMERICAL ANALYSIS

## APRONS

UF Airport aprons  
Holding aprons  
Loading aprons  
Parking aprons  
Warm-up aprons  
BT TERMINAL FLIGHT FACILITIES  
RT AIRPORTS  
RUNWAYS  
TAXIWAYS

## APTITUDE TESTS

UF Vocational tests  
BT PSYCHOLOGY  
PSYCHOMETRICS  
RT INDUSTRIAL PSYCHOLOGY  
INTELLIGENCE TESTS  
PSYCHOMOTOR TESTS

## Aqualung

USE BREATHING APPARATUS

## Aquaplaning

USE HYDROPLANING

## Arboriculture

USE FORESTRY

## ARC WELDING

BT THERMAL JOINING  
WELDS

## Arctic regions

USE POLAR REGIONS

## Arctic tests

USE COLD WEATHER TESTS

## Area rule

USE DRAG  
and REDUCTION

## AREA SUCTION

BT FLUID DYNAMIC PROPERTIES

RT BOUNDARY LAYER  
BOUNDARY LAYER CONTROL  
BOUNDARY LAYER TRANSITION  
DRAG  
LIFT  
TURBULENCE

## ARGON

BT HELIUM GROUP GASES  
NON-METALS

## ARMAMENT

RT WEAPONS

## ARMED FORCES (UNITED STATES)

BT MILITARY ORGANIZATIONS  
NT AIR DEFENSE COMMAND  
AIR FORCE  
AIR FORCE LOGISTICS COMMAND  
AIR FORCE SYSTEM COMMAND  
ARMY  
NAVY  
STRATEGIC AIR COMMAND  
COAST GUARD  
DEPARTMENT OF DEFENSE

## ARMED FORCES BUDGETS

UF Air force budgets  
Army budgets  
Military budgets  
Naval budgets  
BT BUDGETS  
LOGISTICS

RT ARMED FORCES PROCUREMENT  
ARMY PROCUREMENT  
FEDERAL BUDGETS  
NAVAL PROCUREMENT

## ARMED FORCES OPERATIONS

UF Military operations  
NT AIR FORCE OPERATIONS  
AIR-DROP OPERATIONS  
ARMY OPERATIONS  
NAVAL OPERATIONS  
RT ARMED FORCES  
TRANSPORTATION  
LOGISTICS  
WARFARE

## ARMED FORCES PROCUREMENT

BT GOVERNMENT PROCUREMENT  
LOGISTICS  
PROCUREMENT  
NT AIR FORCE PROCUREMENT  
ARMY PROCUREMENT  
NAVAL PROCUREMENT  
RT ARMED FORCES BUDGETS  
ARMED FORCES SUPPLIES  
MAINTENANCE  
SUPPLY DEPOTS

## ARMED FORCES RESEARCH

NT AIR FORCE RESEARCH  
ENGINEERING  
INDUSTRIAL RESEARCH  
MEDICAL RESEARCH  
OPERATIONS RESEARCH  
RESEARCH PROGRAM  
ADMINISTRATION  
SCIENTIFIC ORGANIZATIONS  
SCIENTIFIC RESEARCH

## ARMED FORCES SUPPLIES

(Expendable items for military use.)

UF Air Force supplies  
Military supplies  
Naval supplies  
BT LOGISTICS  
RT ARMED FORCES PROCUREMENT  
ARMY PROCUREMENT  
NAVAL EQUIPMENT  
NAVAL PROCUREMENT  
POWER SUPPLIES  
SUPPLY DEPOTS

## ARMED FORCES TRANSPORTATION

UF Military transportation  
Naval transportation  
BT LOGISTICS  
TRANSPORTATION  
RT AIR FORCE OPERATIONS  
AIR TRANSPORTATION  
ARMED FORCES OPERATIONS  
NAVAL OPERATIONS

## ARMED FORCES (UNITED STATES)

NT AIR FORCE LOGISTICS COMMAND  
NAVY

## ARMS

UF Fingers  
Hands  
Shoulder  
BT BODY  
EXTREMITIES

## RT LEGS

## ARMY

UF Army department  
BT ARMED FORCES (UNITED STATES)  
MILITARY ORGANIZATIONS  
RT DEPARTMENT OF DEFENSE

## ARMY AIRCRAFT

BT AIRCRAFT  
RT AIRPLANES

## Army budgets

USE ARMED FORCES BUDGETS

## Army department

USE ARMY

## Army depots

USE SUPPLY DEPOTS

## ARMY EQUIPMENT

BT LOGISTICS

## Army logistics

USE LOGISTICS

## ARMY OPERATIONS

BT ARMED FORCES OPERATIONS  
RT LOGISTICS

## ARMY PROCUREMENT

BT ARMED FORCES PROCUREMENT  
GOVERNMENT PROCUREMENT  
LOGISTICS  
PROCUREMENT  
RT ARMED FORCES BUDGETS  
ARMED FORCES SUPPLIES  
SUPPLY DEPOTS

## ARRESTING GEAR

BT LANDING AIDS  
RT MARINE SAFETY EQUIPMENT

## ARRHYTHMIA

UF Ventricular fibrillation  
RT HEART

## Arrival control

USE ATC TERMINAL AREA

## Arrow wings

USE DELTA WINGS

## ARSENIDES

BT CHEMICAL COMPOUNDS

## Artcc

USE AIR ROUTE TRAFFIC CONTROL CENTERS

## Arterenal

USE LEVARTERENOL

## ARTERIES

UF Carotid sinus  
BT BLOOD VESSELS  
CARDIOVASCULAR SYSTEM  
NT AORTA  
RT ATHEROSCLEROSIS  
VEINS

## Arteriosclerosis

USE ATHEROSCLEROSIS

## Artificial horizon

USE HORIZONTAL INDICATORS

## ARTIFICIAL INTELLIGENCE

BT BIONICS  
RT CYBERNETICS  
PATTERN RECOGNITION

## ARTIFICIAL PRECIPITATION

UF Cloud seeding  
RT ATMOSPHERIC PRECIPITATION

## ARTIFICIAL RESPIRATION

UF Resuscitation  
RT RESPIRATION

## Artillery shells

USE PROJECTILES

## ASBESTOS

BT FIBERS  
MINERAL PRODUCTS  
RT CERAMIC FIBERS  
ELECTRIC INSULATION  
FIBERS (SYNTHETIC)  
FIRE-RESISTANT TEXTILES  
THERMAL INSULATION

## ASCENT TRAJECTORIES

(Initial trajectories of vehicles from their launching points to the point of injection into orbit. Also, ascent through the earth, atmosphere.)

BT TRAJECTORIES

## Aap

USE AEROSPACE PLANES

## ASPECT RATIO

RT AERODYNAMIC CONFIGURATIONS

## ASPHALT

UF Asphaltite  
BT ORGANIC MATERIALS  
RT PAVEMENTS

## ASPHALTITE

USE ASPHALT

## Asthma

USE ALLERGY

## Astro communication

USE SPACE COMMUNICATION SYSTEMS

## Astrobiology

USE SPACE BIOLOGY

## Astrocytes

USE NERVE CELLS

## ASTRONAUTS

UF Cosmonauts  
BT AVIATION PERSONNEL

## ASTRONOMY

NT ASTROPHYSICS  
RADIO ASTRONOMY

## ASTROPHYSICS

BT ASTRONOMY

## Asymptotic expansion

USE SERIES

## Asymptotic series

USE SERIES

## Ataraxics

USE TRANQUILIZERS

## ATC ENROUTE

UF ATC transition area  
BT AIR TRAFFIC CONTROL SYSTEMS  
RT AIR ROUTE TRAFFIC CONTROL  
AIR ROUTES  
AIRWAYS  
ALL-WEATHER AVIATION  
ATC TERMINAL AREA  
AVIATION SAFETY  
POSITIVE CONTROL

## ATC TERMINAL AREA

UF Approach control  
Arrival control  
Departure control  
Sector control  
RT AIR ROUTE TRAFFIC CONTROL CENTERS  
AIRPORT CONTROL TOWERS  
AIRPORT RADAR SYSTEMS  
AIRPORT SURFACE TRAFFIC  
AIRWAYS  
ALL-WEATHER AVIATION  
ATC ENROUTE  
HOLDING PATTERNS  
MISSED APPROACH  
POSITIVE CONTROL  
RADAR HANDOFF  
TERMINAL FLIGHT FACILITIES

## ATC TERMINAL AREAS

UF Sector control

## ATCC

USE AIR ROUTE TRAFFIC CONTROL CENTERS

## Atelectasis

USE LUNGS

## ATHEROSCLEROSIS

UF Arteriosclerosis  
BT DISEASES  
METABOLISM DISORDERS  
RT ARTERIES  
CHOLESTEROL

## ATMOSPHERE

UF Atmospheric moisture content  
NT IONOSPHERE  
STRATOSPHERE  
TROPopause  
TROPOSPHERE  
UPPER ATMOSPHERE

## RT AIR

INTERFERENCE

## ATMOSPHERE ENTRY

UF Atmosphere re-entry  
Re-entry  
Re-entry aerodynamics  
RT AERODYNAMIC HEATING

## ATMOSPHERE MODELS

BT MODELS (SIMULATIONS)  
RT CLIMATOLOGY  
WEATHER FORECASTING

## Atmosphere re-entry

USE ATMOSPHERE ENTRY

## ATMOSPHERIC CONDENSATION

BT METEOROLOGICAL PHENOMENA  
NT CLOUDS  
FOG  
HAIL  
ICE FOG  
RAINDROPS  
SNOW  
RT HAZE

**ATMOSPHERIC CONDENSATION (Con.)**

HUMIDITY  
ICE  
WATER  
WATER VAPOR  
**ATMOSPHERIC ELECTRICITY**  
BT ELECTRICITY  
METEOROLOGICAL PHENOMENA  
NT ATMOSPHERICS  
LIGHTNING  
RT PRECIPITATION STATIC  
RADIOFREQUENCY  
INTERFERENCE  
STATIC ELECTRICITY

**Atmospheric moisture content**

USE ATMOSPHERE  
and HUMIDITY

**ATMOSPHERIC MOTION**

(Movements of air masses in the earth's atmosphere, especially large-scale circulation patterns)

UF Atmospheric turbulence  
Planetary circulation  
BT METEOROLOGICAL PHENOMENA  
NT ATMOSPHERIC TIDES  
CLEAR AIR TURBULENCE  
CONVECTION  
GUSTS  
JET STREAMS (METEOROLOGY)  
SEA BREEZE  
STORMS  
TORNADOES  
TROPICAL CYCLONES  
WIND

RT TURBULENCE

**ATMOSPHERIC POLLUTION**

RT AEROBIOLOGY  
CONTAMINATION  
GAS ANALYSIS  
HAZE  
METEOROLOGICAL PHENOMENA  
POLLEN  
RADIOACTIVE FALLOUT  
SMOKES  
WASTE GASES  
WASTES (INDUSTRIAL)

**ATMOSPHERIC PRECIPITATION**

(Natural precipitation in the meteorological sense)

UF Precipitation (Atmospheric)  
BT METEOROLOGICAL PARAMETERS  
NT HAIL  
RAINDROPS  
RAINFALL  
SNOW

RT ARTIFICIAL PRECIPITATION  
CONDENSATION

**Atmospheric pressure**  
USE BAROMETRIC PRESSURE

**ATMOSPHERIC REFRACTION**

(Refraction phenomena observed in light originating from a source outside the earth's atmosphere)

UF Rainbows  
BT METEOROLOGICAL PHENOMENA  
OPTICAL PROPERTIES  
REFRACTION  
RT LIGHT TRANSMISSION  
REFRACTIVE INDEX  
VISIBILITY

**ATMOSPHERIC SOUNDING**

UF Ionospheric sounding  
BT METEOROLOGY  
RT RADIOSONDES

**ATMOSPHERIC TEMPERATURE**  
BT METEOROLOGICAL PARAMETERS  
TEMPERATURE

**ATMOSPHERIC TIDES**

UF Tides (Atmospheric)  
BT ATMOSPHERIC MOTION

**Atmospheric turbulence**  
USE ATMOSPHERIC MOTION  
and TURBULENCE

**ATMOSPHERICS**

(Disturbances produced in electronic communications devices by atmospheric electrical phenomena)

UF Dawn chorus  
Stereo  
BT ATMOSPHERIC ELECTRICITY  
ELECTRICITY  
METEOROLOGICAL PHENOMENA  
RT PRECIPITATION STATIC  
RADAR INTERFERENCE  
RADIO INTERFERENCE  
RADIOFREQUENCY  
INTERFERENCE

**STATIC ELECTRICITY**

**Atomic bomb damage**  
USE NUCLEAR EXPLOSION DAMAGE

**Atomic bomb tests**  
USE NUCLEAR EXPLOSIONS

**ATOMIC CLOUDS**

RT NUCLEAR EXPLOSIONS

**Atomic energy**

USE NUCLEAR ENERGY

**Atomic energy plants**

USE NUCLEAR POWER PLANTS

**Atomic piles**

USE NUCLEAR REACTORS

**Atomic power plants**

USE NUCLEAR POWER PLANTS

**Atomic reactors**

USE NUCLEAR REACTORS

**Atomic transmutation**

USE NUCLEAR REACTIONS

**Atomic warfare**

USE NUCLEAR WARFARE

**ATOMIZATION**

(Conversion of a liquid or solid to a fine spray, minute particles, or light dust)

UF Nebulization  
RT AEROSOLS  
SPRAYS

**ATP**

USE ADENOSINE PHOSPHATES

**Atropine tolerance**

USE TOXIC TOLERANCES

**ATTACHMENT**

**ATTACK BOMBERS**

BT AIRCRAFT  
AIRPLANES  
BOMBERS  
RT FIGHTERS  
JET BOMBERS

**ATTENTION**

UF Alertness  
Vigilance  
BT BEHAVIOR  
RT PSYCHOLOGY

**ATTENUATION**

UF Electromagnetic absorption  
Fading  
RT ABSORPTION  
PROPAGATION

**ATTENUATORS**

**ATTITUDE CONTROL SYSTEMS**

(The part of the flight control system that directs and maintains the desired attitude of an aircraft or spacecraft)

BT FLIGHT CONTROL SYSTEMS  
NT HORIZON SCANNERS  
TRIM TABS  
RT AUTOMATIC PILOTS  
THRUST VECTOR CONTROL  
SYSTEMS

**ATTITUDE INDICATORS**

UF Airstream direction detectors  
Angle of attack indicators  
Flight attitude indicators  
Rotor-attitude indicators  
Turn-and-bank indicators  
BT FLIGHT INSTRUMENTS  
NT HORIZONTAL INDICATORS  
VERTICAL INDICATORS  
YAWMETERS  
RT DIRECTION FINDING  
RATE-OF-CLIMB INDICATORS

**ATTITUDES**

RT GROUP DYNAMICS  
LEADERSHIP  
PSYCHOLOGY

**AUDIO AMPLIFIERS**

UF Audiofrequency amplifiers

**AUDIOFREQUENCY**

(15 to 20,000 cps)  
UF AF (Frequency)  
Audiofrequency cables  
Audiofrequency filters  
BT FREQUENCY

**Audiofrequency amplifiers**

USE AUDIO AMPLIFIERS

**Audiofrequency cables**

USE Audiofrequency and ELECTRIC CABLES

**Audiofrequency filters**

USE AUDIOFREQUENCY and BAND-PASS FILTERS

**Audiometers**

USE AUDIOMETRY

**AUDIOMETRY**

(The measurement and testing of hearing acuity for variations in sound intensity and pitch and for tonal purity)

UF Audiometers  
Auditory acuity  
RT HEARING  
PERCEPTION

**Auditory acuity**

USE AUDIOMETRY

**Auditory illusions**

USE HEARING and ILLUSIONS

**AUDITORY NERVE**

BT NERVES  
NERVOUS SYSTEM  
RT AUTONOMIC NERVOUS SYSTEM  
EAR

**Auditory perception**

USE HEARING

**Auditory thresholds**

USE HEARING and THRESHOLDS (PHYSIOLOGY)

**Augers**

USE DRILLS

**AURORAE**

RT SKY BRIGHTNESS  
TERRESTRIAL MAGNETISM  
VAN ALLEN RADIATION BELT

**Autocorrelation functions**

USE STATISTICAL FUNCTIONS

**Autocorrelators**

USE CORRELATORS

**Autocovariance functions**

USE STATISTICAL FUNCTIONS

**AUTOGYRO ROTORS**

BT AERODYNAMIC CONFIGURATIONS  
WINGS

**Autogyro rotor blades**

USE ROTOR BLADES (ROTARY WINGS)

**AUTOGYRO ROTORS**

BT AERODYNAMIC CONFIGURATIONS  
ROTARY WINGS  
WINGS  
RT ROTOR BLADES (ROTARY WINGS)

**AUTOGYROS**

BT AIRCRAFT  
RT AIRPLANES  
CONVERTIBLE AIRPLANES  
FLYING PLATFORMS  
HELICOPTERS  
SHORT TAKE-OFF PLANES  
VERTICAL TAKE-OFF PLANES

**AUTOIGNITION**

(Spontaneous ignition of fuels or propellants owing to high engine temperatures, chemical impurities, etc.)

UF Preignition  
Self-ignition  
BT IGNITION

**Autokinesis**

USE MOTION

**AUTOMATIC FREQUENCY CONTROL**

UF Afc  
RT AUTOMATIC GAIN CONTROL  
FREQUENCY STABILIZERS

**AUTOMATIC GAIN CONTROL**

UF AGC (Electronics)  
Automatic volume control  
AVC  
RT AUTOMATIC FREQUENCY CONTROL

**AUTOMATIC LANDING SYSTEMS**

BT INSTRUMENT LANDINGS  
LANDING

**RT AUTOMATIC PILOTS**

**AUTOMATIC NAVIGATORS**

(Devices for determining the position or altering the course of aircraft, missiles, etc. on the basis of externally generated information)

BT GUIDANCE  
RT CORRELATION TECHNIQUES  
NAVIGATION  
NAVIGATION COMPUTERS  
POSITION FINDING  
TERMINAL GUIDANCE SYSTEMS

**AUTOMATIC PILOTS**

(Devices for maintaining a predetermined course or flight attitude for an aircraft, missile, etc.)

UF Autopilots  
RT ATTITUDE CONTROL SYSTEMS

**Automatic translation**

USE MACHINE TRANSLATION

**Automatic volume control**

USE AUTOMATIC GAIN CONTROL

**AUTOMATION**

**Automobiles**

USE PASSENGER VEHICLES

**AUTONOMIC AGENTS**

(Drugs that act peripherally, not on autonomic nerves, but directly on muscle and gland cells.)

UF Ganglionic blocking agents  
NT AMPHETAMINES  
EPINEPHRINE  
SYMPATHOMIMETIC AGENTS  
RT ADRENAL MEDULLA HORMONES  
ANTIMOTION SICKNESS AGENTS  
CNS DEPRESSANTS  
CNS STIMULANTS  
DRUGS  
LEVARTERE-MOL  
VASOACTIVE AGENTS

**AUTONOMIC NERVOUS SYSTEM**

UF Adrenergic nerves  
Cholinergic nerves  
Parasympathetic nervous system  
Sympathetic nervous system  
BT CENTRAL NERVOUS SYSTEM  
NERVES  
NERVOUS SYSTEM  
RT AUDITORY NERVE  
BRAIN  
NERVE CELLS  
SENSE ORGANS  
SPINAL CORD

**Autopilots**

USE AUTOMATIC PILOTS

**Autoprecession**

USE FLUTTER

**AUTOROTATION**

(Free rotation of helicopter rotor blades without power)

BT FLIGHT

**Autosyns**

USE SYNCHROS

**Auxiliary brakes**

USE BRAKES

**AUXILIARY POWER PLANTS**

(Systems for generating power that is not applied to the propulsion of vehicle, but is used to operate peripheral equipment.)

UF Power plants (Auxiliary)  
RT POWER PLANTS (AIRCRAFT)

**Availability**

USE ABUNDANCE

**AVC**

USE AUTOMATIC GAIN CONTROL

**Aves**

USE BIRDS

**Aviation**

USE AERONAUTICS

**AVIATION ACCIDENTS**

UF Aircraft accidents  
Airplane accidents  
BT ACCIDENTS  
RT ACCIDENT INVESTIGATION  
AIRCRAFT FIRES  
AVIATION INJURIES  
AVIATION SAFETY  
COLLISION AVOIDANCE  
COLLISIONS  
CRASH TESTING  
DITCHING  
INGESTION (ENGINES)

**Aviation deafness**

USE DEAFNESS

**AVIATION FUELS**

(Fuels for reciprocating engine aircraft)

UF High octane gasoline

BT FUELS

RT JET ENGINE FUELS

**AVIATION INJURIES**

BT WOUNDS & INJURIES  
RT ACCIDENT INVESTIGATION  
AIRCRAFT FIRES  
AVIATION ACCIDENTS  
AVIATION SAFETY  
COLLISIONS

**AVIATION MEDICINE**  
 UF Aviation psychology  
 BT MEDICINE  
 RT SPACE MEDICINE

**AVIATION PERSONNEL**  
 BT PERSONNEL  
 NT AIR TRAFFIC CONTROLLERS  
 ASTRONAUTS  
 FLIGHT CREWS  
 FLIGHT SERVICE SPECIALISTS  
 FLIGHT SURGEONS  
 NAVIGATORS  
 PILOTS  
 RT ENGINEERING PERSONNEL  
 GUIDED MISSILE PERSONNEL  
 INSTRUCTORS  
 MAINTENANCE PERSONNEL  
 MEDICAL PERSONNEL  
 MILITARY PERSONNEL  
 NAVAL PERSONNEL  
 OPERATORS (PERSONNEL)  
 PROFESSIONAL PERSONNEL  
 RADAR OPERATORS  
 RADIO OPERATORS  
 SCIENTIFIC PERSONNEL

**Aviation psychology**  
 USE AVIATION MEDICINE  
 AND PSYCHOLOGY

**AVIATION SAFETY**  
 BT SAFETY  
 NT AIRWORTHINESS  
 CRASHWORTHINESS  
 EMERGENCY PROCEDURES  
 FAIL-SAFE  
 RT ACCIDENT INVESTIGATION  
 AIR TRAFFIC  
 AIR TRAFFIC CONTROL SYSTEMS  
 AIRCRAFT FIRES  
 AIRPORT SURFACE TRAFFIC  
 ALL-WEATHER AVIATION  
 ATC ENROUTE  
 AVIATION ACCIDENTS  
 AVIATION INJURIES  
 INGESTION (ENGINES)  
 INSTRUMENT LANDINGS  
 LANDING  
 LANDING AIDS  
 LANDING FIELDS  
 PARACHUTES  
 PILOT WARNING INDICATORS  
 POSITIVE CONTROL  
 TERMINAL FLIGHT FACILITIES

**AWARDS**

**AXIAL-FLOW COMPRESSOR BLADES**  
*(Rotor and stator blades for axial-flow compressors.)*  
 BT COMPRESSOR BLADES  
 RT COMPRESSOR ROTORS  
 COMPRESSOR STATORS

**AXIAL-FLOW COMPRESSORS**  
*(Compressors that force the fluid in a straight line parallel to the axis of the rotating impeller.)*  
 BT COMPRESSORS  
 RT CENTRIFUGAL COMPRESSORS  
 ROTARY COMPRESSORS

**AXIAL-FLOW FANS**  
*(Fans generating fluid flow parallel to the axis of rotation of the blades.)*  
 BT FANS  
 RT DUCTED FANS

**AXIAL-FLOW TURBINE ROTORS**  
 RT GAS TURBINE ROTORS

**AXIAL-FLOW TURBINES**  
*(Turbines operated by the passage of a fluid parallel to the axis of rotation of the rotor.)*  
 BT TURBINES

**AXIALLY SYMMETRIC FLOW**  
*(Fluid flow parallel to an axis.)*  
 BT FLUID FLOW  
 RT GAS FLOW  
 JET MIXING FLOW  
 TURBULENCE

**Axons**  
 USE NERVE CELLS

AZIMUTH

B

**Babies**  
 USE INFANTS

**BACKGROUND**  
**Background return**  
 USE RADAR CLUTTER

**BACKWARD-WAVE AMPLIFIERS**  
 BT AMPLIFIERS  
 RT BACKWARD-WAVE OSCILLATORS  
 BACKWARD-WAVE TUBES

**BACKWARD-WAVE OSCILLATORS**  
 BT OSCILLATORS  
 RT BACKWARD-WAVE AMPLIFIERS

**BACKWARD-WAVE TUBES**  
 BT ELECTRON TUBES  
 TRAVELING-WAVE TUBES  
 RT BACKWARD-WAVE AMPLIFIERS

**BACTERIA**  
*(Specific bacteria names are used in combination with DISEASES to describe specific diseases.)*  
 UF Bacteriology  
 BT MICROORGANISMS  
 NT ENTEROBACTERIACEAE  
 KLEBSIELLA  
 STREPTOCOCCUS  
 RT FUNGI  
 PLANTS (BOTANY)  
 SPORES

**Bacterial toxins**  
 USE TOXINS AND ANTITOXINS

**Bacteriology**  
 USE BACTERIA

**Baecklund transformations**  
 USE TRANSFORMATIONS  
 (MATHEMATICS)

**BALLOUT**  
 BT ABANDONMENT  
 RT DITCHING

**BALANCES**  
 UF Microbalances  
 Quartz spring balances  
 Scales  
 Torsion balances

**BALL BEARINGS**  
 BT ANTI-FRICTION BEARINGS  
 BEARINGS  
 RT AIRFRAME BEARINGS  
 ROLLER BEARINGS

**Ballistic galvanometers**  
 USE GALVANOMETERS

**BALISTOCARDIOGRAPHY**  
 UF Vector ballistocardiography  
 BT CARDIOGRAPHY  
 RT DIAGNOSIS  
 ELECTROCARDIOGRAPHY  
 HEART

**BALLOON EQUIPMENT**  
 RT AIRCRAFT EQUIPMENT  
 BALLOONS  
 GONDOLAS

**BALLOONS**  
*(Lighter-than-air craft having no means of propulsion.)*  
 BT AIRCRAFT  
 INFLATABLE STRUCTURES  
 NT METEOROLOGICAL BALLOONS  
 RT AIRSHIPS  
 BALLOON EQUIPMENT

**Balsa wood**  
 USE WOOD

**Banach space**  
 USE FUNCTIONAL ANALYSIS

**BAND-PASS AMPLIFIERS**  
 UF Band-selective amplifiers  
 BT AMPLIFIERS

**BAND-PASS FILTERS**  
 UF Antenna filters  
 Audiofrequency filters  
 BT FILTERS (ELECTROMAGNETIC WAVE)  
 RT CRYSTAL FILTERS

LOW-PASS FILTERS  
 RADIOFREQUENCY FILTERS

**Band-selective amplifiers**  
 USE BAND-PASS AMPLIFIERS

**BANDWIDTH**  
 RT BROADBAND  
 NARROWBAND

**BARIUM COMPOUNDS**  
 BT CHEMICAL COMPOUNDS

**BAROMETERS**  
 BT METEOROLOGICAL INSTRUMENTS  
 METERS  
 RT ALTIMETERS  
 PRESSURE GAGES

**BAROMETRIC PRESSURE**  
 UF Atmospheric pressure  
 BT METEOROLOGICAL PARAMETERS

**Bars**  
 USE RODS

**Basic dead reckoning**  
 USE DEAD RECKONING

**BATTERIES & COMPONENTS**  
 UF Bias batteries  
 BT ELECTRICAL EQUIPMENT  
 NT ANODES (ELECTROLYTIC CELL)  
 FUEL CELLS  
 SOLAR CELLS  
 RT ELECTROLYTES

**Battle damage**  
 USE DAMAGE

**Battle shelters**  
 USE SHELTERS

**Battles**  
 USE WARFARE

**BEACON LIGHTS**  
 BT BEACONS  
 MARKER LIGHTS  
 RT APPROACH LIGHTS  
 NAVIGATIONAL LIGHTS  
 SIGNAL LIGHTS  
 STROBE LIGHTS

**BEACONS**  
*(Devices that guide or orient, usually by means of visible or electronic signals.)*  
 NT AIR-SEA RESCUE BEACONS  
 BEACON LIGHTS  
 RADAR BEACONS  
 RADIO BEACONS  
 RESCUE BEACONS  
 RT DIRECTION FINDING SIGNALS  
 POSITION FINDING SIGNALS

**Beam equations**  
 USE DIFFERENTIAL EQUATIONS

**BEAMS (ELECTROMAGNETIC)**  
 BT ELECTROMAGNETIC WAVES  
 NT RADIO BEAMS

**Beams (Particle)**  
 USE PARTICLE BEAMS

**BEAMS (STRUCTURAL)**  
 UF Girders  
 NT BOX BEAMS  
 CANTILEVER BEAMS  
 WEB BEAMS  
 RT GEOMETRIC FORMS  
 STRUCTURAL PARTS

**Bearing finding**  
 USE DIRECTION FINDING

**BEARINGS**  
 NT AIRFRAME BEARINGS  
 ANTI-FRICTION BEARINGS  
 BALL BEARINGS  
 GAS BEARINGS  
 ROLLER BEARINGS

**BEHAVIOR**  
 NT ADJUSTMENT (PSYCHOLOGY);  
 ATTENTION  
 CONDITIONED REFLEX  
 GROUP DYNAMICS  
 LEARNING  
 REACTION (PSYCHOLOGY);  
 VERBAL BEHAVIOR  
 RT ABNORMAL PSYCHOLOGY  
 APPLIED PSYCHOLOGY  
 EMOTIONS  
 HIBERNATION  
 MEMORY  
 MOTIVATION  
 PERSONALITY  
 PSYCHOLOGY  
 REASONING

**Bellman's search problem**  
 USE GAME THEORY

**Bends (Physiology)**  
 USE DECOMPRESSION SICKNESS

**Benzedrine sulfate**  
 USE AMPHETAMINES

**Bernoulli distribution**  
 USE STATISTICAL DISTRIBUTIONS

**Bernsteins approximation**  
 USE FUNCTIONAL ANALYSIS

**BERYLLIUM**  
 BT GROUP II ELEMENTS  
 METALS

**BERYLLIUM COMPOUNDS**

**BESSEL FUNCTIONS**

**Bias batteries**  
 USE BATTERIES & COMPONENTS

**BIBLIOGRAPHIES**  
 BT DOCUMENTATION  
 RT CLASSIFICATION  
 REPORTS

**BICARBONATES**  
 RT CARBON COMPOUNDS

**Binary sequences**  
 USE SEQUENCES

**BINDERS**  
*(Substances that produce cohesion or consistency in materials, thereby imparting desirable chemical or mechanical properties, especially as used in paints, propellants, or rubber. For substances used to join materials by adhering to their surfaces, see ADHESIVES.)*  
 RT PLASTICIZERS

**Binet tests**  
 USE INTELLIGENCE TESTS

**BINOCULARS**  
 BT OPTICAL EQUIPMENT

**Binomial probability**  
 USE PROBABILITY

**Bioastronautics**  
 USE SPACE BIOLOGY

**Biochemical effects**  
 USE BIOCHEMISTRY

**Biochemical tests**  
 USE BIOCHEMISTRY

**Biochemistry**  
 UF Biochemical effects  
 Biochemical tests  
 Physiological chemistry  
 BT CHEMISTRY  
 NT BLOOD CHEMISTRY  
 RT DIAGNOSIS

**Biinstrumentation**  
 USE BIOLOGY  
 AND INSTRUMENTATION

**BIOLOGICAL PRODUCTS**  
 NT TOXINS & ANTITOXINS

**BIOLOGY**  
 UF Biinstrumentation  
 NT AEROBIOLOGY  
 GENETICS  
 RADIOBIOLOGY  
 SPACE BIOLOGY  
 RT BIOPHYSICS  
 SEX

**Biometrics**  
 USE MATHEMATICAL ANALYSIS  
 AND MEDICAL RESEARCH

**BIONICS**  
*(Simulation of biological process by electronic equipment.)*  
 NT ARTIFICIAL INTELLIGENCE  
 RT CYBERNETICS  
 PATTERN RECOGNITION

**BIOPHYSICS**  
*(The application of physical methods and principles to biological problems.)*  
 NT RADIOBIOLOGY  
 RT BIOLOGY  
 PHYSICS

**Biotechnology**  
 USE HUMAN ENGINEERING

**Biotin**  
 USE VITAMIN B COMPLEX

**Bird flight**  
 USE BIRDS  
 AND FLIGHT

**Bird ingestion**  
 USE BIRDS  
 AND INGESTION (ENGINES)



THESAURUS OF TERMS

**Bird navigation**  
USE BIRDS  
and NAVIGATION

**BIRDS**

UF Aves  
Bird flight  
Bird ingestion  
Bird navigation  
Fowl

BT ANIMALS

**Birth and death process (Math)**

USE STATISTICAL PROCESSES

**BISMUTH COMPOUNDS**

**BITUMINOUS COATINGS**

(Coatings of tar, asphalt, or similar materials)

BT COATINGS

FINISHES & FINISHING  
ORGANIC COATINGS

RT SEALING COMPOUNDS

**BLACKBODY RADIATION**

(Radiation from a surface or body that is a complete radiator. For radiation that causes heating of materials it contacts, see THERMAL radiation. For radiation in the range 0.75 to 1,000 microns, see INFRARED RADIATION.)

BT ELECTROMAGNETIC WAVES

RT EMISSION

INFRARED RADIATION

**BLACKOUT (PHYSIOLOGY)**

(Temporary loss of vision or consciousness owing to cessation of blood flow to the cranial cavity, caused by linear or centrifugal acceleration. For fainting from other causes, see SYNCOPE.)

RT ACCELERATION TOLERANCE

BLOOD PRESSURE

HYPOXIA

STRESS (PHYSIOLOGY)

SYNCOPE

**Blackout systems**

USE ANTI-AIRCRAFT DEFENSE SYSTEMS

**BLADE AIRFOILS**

BT AERODYNAMIC CONFIGURATIONS  
AIRFOILS

RT LEADING EDGE

PROPELLER BLADES

ROTOR BLADES (ROTARY WINGS)

**Blaas method**

USE NUMERICAL METHODS AND PROCEDURES

**BLAST**

UF Blast effects

BT EXPLOSION EFFECTS

RT SHOCK WAVES

**Blast effects**

USE BLAST

**Blasting caps**

USE DETONATORS

**BLEED SYSTEMS**

**Bleeding**

USE HEMORRHAGE

**Blimps**

USE AIRSHIPS

**BLINDNESS**

RT VISION

**Block equation**

USE PARTIAL DIFFERENTIAL EQUATIONS

**Block designs**

USE COMBINATORIAL ANALYSIS

**BLOOD**

UF Hemolymph

Hypoxemia

BT BODY FLUIDS

BLOOD CELLS

BLOOD PLASMA

BLOOD SERUM

EOSINOPHILS

ERYTHROCYTES

LEUKOCYTES

LYMPHOCYTES

RT AORTA

BLOOD VESSELS

BODY

CARDIOVASCULAR SYSTEM

HEART

HEMATOLOGY

LYMPHATIC SYSTEM

PHYSIOLOGY

SPLEEN

TISSUES (BIOLOGY)

**BLOOD CELLS**

BT BLOOD

CELLS (BIOLOGY)

NT EOSINOPHILS

ERYTHROCYTES

LEUKOCYTES

LYMPHOCYTES

RT BLOOD COUNTS

HEMATOLOGY

HEMOGLOBIN

HEMOPOIETIC SYSTEM

**BLOOD CHEMISTRY**

BT BIOCHEMISTRY

CHEMISTRY

**BLOOD CIRCULATION**

UF Coronary circulation

Renal hemodynamics

RT CARDIOVASCULAR SYSTEM

**Blood circulation insufficiency**

USE SHOCK (PATHOLOGY)

**BLOOD COUNTS**

RT BLOOD CELLS

COUNTING METHODS

DIAGNOSIS

ERYTHROCYTES

LEUKOCYTES

**BLOOD DISORDERS**

UF Hemophilia

Hypercalcemia

Leukopenia

Polycythemia

BT DISEASES

NT LEUKEMIA

**BLOOD GROUPS**

UF Rh blood factor

**BLOOD PLASMA**

UF Plasma (Blood)

BT BLOOD

BODY FLUIDS

NT BLOOD SERUM

**BLOOD PRESSURE**

NT HYPERTENSION

HYPOTENSION

RT BLACKOUT (PHYSIOLOGY)

MANOMETERS

**BLOOD PROTEINS**

(Proteins made in the blood from amino acids and tissue proteins)

UF Plasma proteins

Serum proteins

BT PROTEINS

NT HEMOGLOBIN

RT PROTEINS (CONJUGATED)

**BLOOD SERUM**

(Blood plasma from which the fibrinogen has been removed)

BT BLOOD

BLOOD PLASMA

BODY FLUIDS

**BLOOD VESSELS**

UF Cerebrovascular disease

BT CARDIOVASCULAR SYSTEM

NT AORTA

ARTERIES

VEINS

RT BLOOD

HEART

**BLOOD VOLUME**

UF Plasma volume

RT CARDIOVASCULAR SYSTEM

**Bluff bodies**

USE BLUNT BODIES

**BLUNT BODIES**

UF Bluff bodies

BT GEOMETRIC FORMS

RT BODIES OF REVOLUTION

CURVED PROFILES

HEMISPHERICAL SHELLS

PARABOLIC BODIES

SPHERES

**BODIES OF REVOLUTION**

BT GEOMETRIC FORMS

NT CONICAL BODIES

CYLINDRICAL BODIES

DISKS

ELLIPSOIDS

HEMISPHERICAL SHELLS

OGIVES

PARABOLIC BODIES

RINGS

SPHERES

STIFFENED CYLINDERS

RT BLUNT BODIES

CURVED PROFILES

STRUCTURAL SHELLS

**BODY**

UF Body surface

NT ABDOMEN

ARMS

EXTREMITIES

HEAD

LEGS

THORAX

RT ANATOMY

ANTHROPOMETRY

BLOOD

BODY FLUIDS

BODY WEIGHT

CARDIOVASCULAR SYSTEM

CELLS (BIOLOGY)

ENDOCRINE GLANDS

GASTROINTESTINAL SYSTEM

GLANDS

HEMOPOIETIC SYSTEM

INTEGUMENTARY SYSTEM

LYMPHATIC SYSTEM

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

PHYSIOLOGY

RESPIRATORY SYSTEM

SENSE ORGANS

TISSUES (BIOLOGY)

**Body attitude**

USE POSTURE

**Body fats**

USE LIPIDS

**BODY FLUIDS**

NT BLOOD

BLOOD PLASMA

BLOOD SERUM

URINE

RT BODY

ELECTROLYTES (PHYSIOLOGY)

**Body surface**

USE BODY

**BODY TEMPERATURE**

RT FEVERS

HEAT PRODUCTION (BIOLOGY)

HYPOTHERMIA

SHIVERING

**BODY WEIGHT**

RT BODY

OBESITY

**Bogs**

USE SWAMPS

**BOLOMETERS**

RT RESISTANCE THERMOMETERS

THERMOMETERS

**BOLTED JOINTS**

BT JOINTS

RT METAL JOINTS

RIVETED JOINTS

**BOLTS**

BT MECHANICAL FASTENERS

RT LOCKING FASTENER DEVICES

**Boltzman H-functions**

USE SPECIAL FUNCTIONS

(MATHEMATICAL)

**Bolz problem**

USE CALCULUS OF VARIATIONS

**BOMB DETECTION**

**Bomb shelters**

USE SHELTERS

**BOMBERS**

BT AIRCRAFT

AIRPLANES

NT ATTACK BOMBERS

JET BOMBERS

PATROL BOMBERS

**BOMBING**

NT STRATEGIC BOMBING

FIRE CONTROL SYSTEMS

PLOTTING BOARDS

**BOMBING COMPUTERS**

UF Bombing computers

BT COMPUTERS

SPECIAL PURPOSE COMPUTERS

RT NAVIGATION COMPUTERS

**Bombing sheds**

USE SURFACE TARGETS

**BONDED JOINTS**

BT JOINTS

RT METAL JOINTS

SOLDERED JOINTS

**BONDING**

(The holding together of parts as with adhesives or cements. Also the forces that hold parts together.)

UF Cementing

RT ADHESION

JOINTS

BOUNDARY LAYER TRANSITION

SURFACE PROPERTIES

**BONE**

UF Osteology

BT MUSCULOSKELETAL SYSTEM

TISSUES (BIOLOGY)

RT FRACTURES (BONE)

HEMOPOIETIC SYSTEM

JOINTS (PHYSIOLOGY)

SKELETON

**Bone fractures**

USE FRACTURES (BONE)

**BONE MARROW**

RT SPLEEN

**Boolean functions**

USE SPECIAL FUNCTIONS

(MATHEMATICAL)

**Boolean lattices**

USE ALGEBRA

**Boolean relation matrices**

USE MATRIX ALGEBRA

**Boolean sums**

USE ALGEBRA

**Booms (Aircraft Equipment)**

USE AERONAUTICAL BOOMS

**BOOSTER ROCKETS**



## BOUNDARY VALUE PROBLEMS

**BOUNDARY LAYER**  
**TRANSITION (Con.)**  
 LAMINAR BOUNDARY LAYER  
 LIFT  
 TURBULENCE  
 TURBULENT BOUNDARY LAYER  
**BOUNDARY VALUE PROBLEMS**  
*(Problems in the solution of differential equations which must meet given requirements for the values of the independent variable.)*  
 RT DIFFERENTIAL EQUATIONS  
**Bounded functions**  
 USE FUNCTIONS  
**Boussinesq-Papkovich stress funct.**  
 USE SPECIAL FUNCTIONS (MATHEMATICAL)  
**BOX BEAMS**  
 BT BEAMS (STRUCTURAL)  
 RT CANTILEVER BEAMS  
 WEB BEAMS  
**Boxes**  
 USE CONTAINERS  
**BRAIN**  
 UF Cerebrovascular disease  
 Cerebrum  
 BT CENTRAL NERVOUS SYSTEM  
 NERVOUS SYSTEM  
 NT CEREBRAL CORTEX  
 RT AUTONOMIC NERVOUS SYSTEM  
 ELECTROENCEPHALOGRAPHY  
 HEAD  
 NERVE CELLS  
 NERVES  
 SENSE ORGANS  
**BRAKES**  
 UF Auxiliary brakes  
 Mechanical brakes  
 Wheel brakes  
 NT HYDRAULIC BRAKES  
 PNEUMATIC BRAKES  
 VEHICLE BRAKES  
 WATER BRAKES  
 RT AIR BRAKE FLAPS  
 DRAG PARACHUTES  
 VEHICLE CHASSIS COMPONENTS  
**BRASS**  
 BT ALLOYS  
 COPPER ALLOYS  
**BRAZING**  
*(The forming of heat-resistant metal joints by allowing melted alloys of copper, zinc, and silver to bind the members. For the similar joining process using tin-lead alloys to form joints much less resistant to heat, see SOLDERING.)*  
 BT THERMAL JOINING  
 RT WELDING  
**Brazing alloys**  
 USE SILVER SOLDERS  
**Breathing**  
 USE RESPIRATION  
**BREATHING APPARATUS**  
*(Apparatus that provides an oxygen supply or purifies available oxygen to permit breathing and usually to allow some freedom of movement in extreme environments, such as contaminated areas, high altitude, or underwater.)*  
 UF Aqualing  
 Scuba  
 NT BREATHING MASKS  
 OXYGEN MASKS  
 RT OXYGEN EQUIPMENT  
 PRESSURE BREATHING  
**BREATHING MASKS**  
*(The part of the BREATHING APPARATUS that fits over the head and face, with special mechanisms to allow inhalation and exhalation.)*  
 BT BREATHING APPARATUS  
 NT OXYGEN MASKS  
 RT PROTECTIVE CLOTHING  
**BRIDGES**  
 UF Military bridges  
**Bricks**  
 USE ABSTRACTS  
**BRIGHTNESS**  
 BT OPTICAL PROPERTIES  
 RT LUMINOUS  
 FOCUSING  
 ILLUMINATION  
 LIGHT TRANSMISSION

**Brittle materials**  
 USE BRITTLENESS  
**BRITTLENESS**  
 UF Brittle materials  
 BT MECHANICAL PROPERTIES  
 NT HYDROGEN EMBRITTLEMENT  
 RT FAILURE (MECHANICS)  
 HARDNESS  
 PLASTICITY  
 SHOCK RESISTANCE  
**Broach powders**  
 USE ABRASIVES  
**BROADBAND**  
 UF Wideband  
 Wideband antennas  
 BT FREQUENCY  
 RT BANDWIDTH  
 NARROWBAND  
**Broadband probes**  
 USE PROBES (ELECTROMAGNETIC)  
**BROMIDES**  
 BT HALIDES  
 RT BROMINE  
**BROMINE**  
 BT GROUP VII ELEMENTS  
 HALOGENS  
 NON-METALS  
 RT BROMIDES  
**Bronchi**  
 USE RESPIRATORY SYSTEM  
**Bronchiectasis**  
 USE DISEASES  
 and RESPIRATORY SYSTEM  
**Bronchodilators**  
 USE SYMPATHOMIMETIC AGENTS  
**BUBBLES**  
 NT CAVITATION  
 RT FOAMS  
 WAKE  
 WATER ENTRY  
**Buckets**  
 USE CONTAINERS  
**BUCKLING (MECHANICS)**  
*(Bending of a structure out of its own plane or axis under compression.)*  
 BT DEFORMATION  
**BUDGETS**  
 UF Fiscal programs  
 NT ARMED FORCES BUDGETS  
 FEDERAL BUDGETS  
 RT COMMERCE  
 COSTS  
 INDUSTRIAL PRODUCTION  
**BUFFETING**  
 BT FLIGHT  
**BUILDINGS**  
 NT HANGARS  
 PREFABRICATED BUILDINGS  
 WAREHOUSES  
 RT FLOORS  
 FOUNDATIONS (STRUCTURES)  
 SHELTERS  
**Buoys**  
 USE PROJECTILES  
**Buoyancy recorders**  
 USE RECORDING SYSTEMS  
**BUOYS**  
 UF Gas marker buoys  
 Mine can buoys  
 Radio rescue buoys  
 RT FLOATS  
 MARINE SAFETY EQUIPMENT  
**BURNING RATE**  
**BURNS**  
 UF Flash burns  
 BT WOUNDS & INJURIES  
**Burns**  
 USE RUPTURE  
**Buses**  
 USE PASSENGER VEHICLES  
**Business**  
 USE COMMERCE  
**Business machine operators**  
 USE OPERATORS (PERSONNEL)  
**Buzz**  
 USE VIBRATION

## C

**C BAND**  
*(5000 to 6000 mc.)*  
 BT FREQUENCY  
 MICROWAVE FREQUENCY  
 RADIOFREQUENCY  
 SUPERHIGH FREQUENCY  
 RT S BAND  
 X BAND  
**Cables (Electrical)**  
 USE ELECTRIC CABLES  
**CABLES (MECHANICAL)**  
 NT TOWING CABLES  
 RT CORDAGE  
 WIRE  
**CAD cartridges**  
 USE CARTRIDGES (PAD)  
**CADMIUM**  
 BT GROUP II ELEMENTS  
 METALS  
**CALCIUM**  
 BT CHEMICAL ELEMENTS  
**CALCIUM COMPOUNDS**  
**Calculating machines**  
 USE COMPUTERS  
**CALCULUS OF VARIATIONS**  
 UF Bolza problem  
**CALIBRATION**  
 RT MEASUREMENT  
 STANDARDIZATION  
 TOLERANCES (MECHANICS)  
**Calking compounds**  
 USE SEALING COMPOUNDS  
**CALORIMETERS**  
 RT HEAT  
 TEMPERATURE SENSITIVE  
 ELEMENTS  
 THERMOMETERS  
**CAMBER**  
*(The curve of an airfoil section from leading edge to trailing edge.)*  
 UF Lower camber  
 Mean camber  
 Upper camber  
**CAMERA TUBES**  
 UF Image orthicons  
 BT ELECTRON TUBES  
 IMAGE TUBES  
**CAMERAS**  
 NT AERIAL CAMERAS  
 HIGH-SPEED CAMERAS  
 MOTION-PICTURE CAMERAS  
 RADAR RECORDING CAMERAS  
 WIDE-FIELD CAMERAS  
 RT PHOTOGRAPHIC EQUIPMENT  
 PHOTOGRAPHIC RECORDING  
 SYSTEMS  
 PHOTOGRAPHY  
 RECORDING SYSTEMS  
**Camshaft drive**  
 USE DRIVES  
**Canal address**  
 USE EAR  
**CANARD CONFIGURATION**  
 BT AERODYNAMIC CONFIGURATIONS  
**CANCER**  
*(Malignant NEOPLASMS)*  
 UF Carcinomas  
 Sarcomas  
 BT NEOPLASMS  
 NT LEUKEMIA  
**Cancer research**  
 USE MEDICAL RESEARCH  
**Canopies**  
 USE AIRCRAFT CANOPIES  
**CANTILEVER BEAMS**  
 BT BEAMS (STRUCTURAL)  
 RT BOX BEAMS  
 WEB BEAMS  
**CAPACITANCE**  
 BT ELECTRICAL PROPERTIES  
 RT ELECTROSTATICS  
**CAPACITANCE BRIDGES**  
 RT IMPEDANCE BRIDGES  
**Capacitors**  
 USE POTENTIAL THEORY  
**Capacities of sets**  
 USE POTENTIAL THEORY

## THESAURUS OF FAA DESCRIPTORS

**CAPACITORS**  
 UF Condensers (Electrical)  
 NT ELECTROLYTIC CAPACITORS  
 VARIABLE CAPACITORS  
**Capital**  
 USE MONEY  
**CAPTIVE TESTS**  
 UF Firing test (Rocket)  
 Static tests  
 BT TESTS  
**CARBIDES**  
 RT CARBON  
 CARBON COMPOUNDS  
**CARBOHYDRATES**  
 NT GLUCOSE  
 MONOSACCHARIDES  
 SUCROSE  
 RT NUCLEOSIDES  
 NUCLEOTIDES  
**CARBON**  
 UF Activated carbon  
 BT GROUP IV ELEMENTS  
 NON-METALS  
 NT CARBON BLACK  
 DIAMONDS  
 GRAPHITE  
 RT CARBIDES  
**CARBON ARC LAMPS**  
**CARBON BLACK**  
 UF Lampblack  
 BT CARBON  
 ORGANIC MATERIALS  
**CARBON COMPOUNDS**  
 NT CARBON DIOXIDE  
 RT BICARBONATES  
 CARBIDES  
 GRAPHITE  
**Carbon deposits**  
 USE COMBUSTION DEPOSITS  
**CARBON DIOXIDE**  
 BT CARBON COMPOUNDS  
 DIOXIDES  
 OXIDES  
**Carcinomas**  
 USE CANCER  
**Cardiac muscle**  
 USE HEART  
**CARDIOACTIVE AGENTS**  
 RT DRUGS  
**Cardiographs**  
 USE CARDIOGRAPHY  
**CARDIOGRAPHY**  
 UF Cardiographs  
 Cardiotachometers  
 NT BALLISTOCARDIOGRAPHY  
 ELECTROCARDIOGRAPHY  
 RT HEART  
**Cardiotachometers**  
 USE CARDIOGRAPHY  
**CARDIOVASCULAR SYSTEM**  
 UF Circulatory system  
 NT AORTA  
 ARTERIES  
 BLOOD VESSELS  
 HEART  
 VEINS  
 RT BLOOD  
 BLOOD CIRCULATION  
 BLOOD VOLUME  
 BODY  
 LYMPHATIC SYSTEM  
 TISSUES (BIOLOGY)  
**CARGO**  
 UF Freight  
 Lading  
 BT TRANSPORTATION  
**Cargo planes**  
 USE TRANSPORT PLANES  
**CARGO VEHICLES**  
 UF Transport vehicles  
 BT VEHICLES  
 NT FUEL TRUCKS  
 RT SLEDS  
 SNOW VEHICLES  
**Carotid sinus**  
 USE ARTERIES  
**Carports**  
 USE FLOOR COVERINGS  
**CARRIER LANDINGS**  
 BT LANDINGS  
 RT ALL-WEATHER AVIATION  
 INSTRUMENT LANDINGS  
 NIGHT LANDINGS  
 RADAR LANDING CONTROL

**CARRIER WAVES**

**CARRIER-CONTROLLED APPROACH RADAR**

(Aircraft carrier radar systems that ascertain the positions of incoming planes by radar, and relay to the planes by radio information for making approaches)

- BT LANDING AIDS
- RADAR
- RADAR LANDING CONTROL
- RT GROUND-CONTROLLED APPROACH RADAR
- RADAR NAVIGATION
- RADAR TRACKING
- TERMINAL FLIGHT FACILITIES

**CARRIERS (RADIO WAVES)**

- UF Carrier waves
- BT RADIO WAVES

**Carriers (Vehicles)**

**USE VEHICLES**

**Cars**

**USE PASSENGER VEHICLES**

**Cartography**

**USE MAPPING**

**CARTRIDGES (PAD)**

- UF CAD cartridges
- Catapult cartridges
- Ejector cartridges
- Ignition cartridges
- Pad
- Personnel ejection catapult cartridges
- Propellant actuated devices
- Remover cartridges
- Thruster cartridges
- RT EXPLOSIVE ACTUATORS

**Cases**

**USE CONTAINERS**

**CASTING**

- UF Investment casting
- Permanent mold casting
- Sand casting
- BT MATERIAL FORMING

**Castor oil**

**USE VEGETABLE OILS**

**CASUALTIES**

- UF Air raid casualties
- War casualties
- RT ACCIDENTS
- DISASTERS
- MILITARY PERSONNEL
- WOUNDS & INJURIES

**CAT**

**USE CLEAR AIR TURBULENCE**

**CATALOGS**

- UF Parts catalogs
- Supply catalogs
- BT DOCUMENTATION
- RT CLASSIFICATION
- DIRECTORIES
- INDEXES
- LIBRARIES
- SUBJECT INDEXING

**CATALYSIS**

- RT CHEMICAL REACTIONS
- REACTION KINETICS

**Cataphoresis**

**USE ELECTROPHORESIS**

**Catapult cartridges**

**USE CARTRIDGES (PAD)**

**CATAPULTS**

- UF Airplane launching
- BT LAUNCHING
- RT TAKE-OFF

**CATHODE FOLLOWERS**

- BT CIRCUITS

**CATHODE RAY TUBE SCREENS**

- BT ELECTRON TUBE PARTS
- VIEWING SCREENS
- RT DISPLAY SYSTEMS
- RADAR IMAGES

**CATHODE RAY TUBES**

- UF Cathode ray tubes
- BT ELECTRON TUBES
- NT COLOR TELEVISION TUBES
- RT ELECTRON GUNS
- ICONSOPES
- IMAGE TUBES
- PLAN POSITION INDICATORS
- STEREOSCOPIC DISPLAY SYSTEMS
- STORAGE TUBES
- TELEVISION DISPLAY SYSTEMS

**CATHODES**

**BT ELECTRODES**

**RT ANODES**

**CATHODES (ELECTRON TUBES)**

- UF Sintered cathodes
- BT ELECTRODES
- ELECTRON TUBE PARTS
- NT OXIDE CATHODES

**CATHODIC PROTECTION**

(Prevention of electrolytic corrosion in an underground or underwater metal structure by making the structure act as the cathode of an electrolytic cell)

- BT CORROSION INHIBITION

**Cauchy kernels**

**USE INTEGRAL EQUATIONS**

**Cauchy points**

**USE SERIES**

**Cauchy problem**

**USE PARTIAL DIFFERENTIAL EQUATIONS**

**Cauchy product**

**USE SERIES**

**CAVITATION**

- BT BUBBLES
- RT TURBULENCE
- UNDERWATER
- WAKE
- WATER ENTRY

**CAVITY RESONATORS**

- BT RESONATORS

**CEILING**

(The height of the lowest clouds or obscuring phenomena at an airport, weather station, etc.)

- BT METEOROLOGICAL PARAMETERS

- RT CLOUD HEIGHT INDICATORS

**CELESTIAL GUIDANCE**

(Automatic direction of missiles, spacecraft, etc. by instruments within the vehicles that sense the positions of stars and other celestial bodies. For positioning techniques in which navigators determine geographic locations by celestial observations, see CELESTIAL NAVIGATION)

- BT GUIDANCE

- NT STAR TRACKERS

- RT CELESTIAL NAVIGATION

**CELESTIAL NAVIGATION**

- BT NAVIGATION
- RT CELESTIAL GUIDANCE
- HYPERBOLIC NAVIGATION

**Cell Division (Biology)**

**USE MITOSIS**

**CELLS (BIOLOGY)**

- UF Protoplasm
- NT BLOOD CELLS
- EOSINOPHILS
- ERYTHROCYTES
- GANGLIA
- LEUKOCYTES
- LYMPHOCYTES
- NERVE CELLS

- RT BODY

**HISTOLOGY**

**MITOSIS**

**NERVOUS SYSTEM**

**PHYSIOLOGY**

**TISSUES (BIOLOGY)**

**Cellular plastics**

**USE EXPANDED PLASTICS**

**CELLULOSE PLASTICS**

- BT PLASTICS

**Cementing**

**USE BONDING**

**CEMENTS**

(Does not include ADHESIVES or OPTICAL cements)

- UF Structural cements
- BT CERAMIC MATERIALS
- RT CONCRETE

**CENTER OF GRAVITY**

- BT GRAVITY

**CENTRAL NERVOUS SYSTEM**

- BT NERVOUS SYSTEM
- NT AUTONOMIC NERVOUS SYSTEM
- BRAIN
- CEREBRAL CORTEX
- SPINAL CORD

**Central nervous system depressants**

**USE CNS DEPRESSANTS**

**Central nervous system stimulants**

**USE CNS STIMULANTS**

**CENTRIFUGAL COMPRESSORS**

(Compressors producing discharge flows perpendicular to the axis of rotation of the fans or impellers.)

- BT COMPRESSORS
- RT AXIAL-FLOW COMPRESSORS
- HIGH-PRESSURE COMPRESSORS
- ROTARY COMPRESSORS

**CENTRIFUGAL FIELDS**

- RT SPIN

**CENTRIFUGAL PUMPS**

(Pumps producing discharge flows perpendicular to the axis of rotation of the rotors.)

- BT PUMPS
- RT IMPELLERS

**CENTRIFUGES**

- UF Human centrifuges

**Ceramics**

**USE CERMETS**

**CERAMIC COATINGS**

- UF Ceramic paints
- Enamel coatings
- BT COATINGS
- FINISHES & FINISHING
- RT REFRACTORY COATINGS

**CERAMIC FIBERS**

- BT FIBERS
- FIBERS (SYNTHETIC)
- RT ASBESTOS

**CERAMIC MATERIALS**

(Material made essentially from nonmetallic minerals by firing at high temperatures)

- NT CEMENTS
- GLASS
- REFRACTORY MATERIALS
- RT CERMETS

**Ceramic paints**

**USE CERAMIC COATINGS**

**CEREBRAL CORTEX**

- BT BRAIN
- CENTRAL NERVOUS SYSTEM
- NERVOUS SYSTEM

**Cerebrovascular disease**

- USE BLOOD VESSELS
- and BRAIN
- and DISEASES

**Cerebrum**

**USE BRAIN**

**CERENKOV RADIATION**

- BT ELECTROMAGNETIC WAVES

**Cerium compounds**

**USE RARE EARTH COMPOUNDS**

**CERMETS**

- UF Ceramics
- BT HEAT-RESISTANT MATERIALS
- HEAT-RESISTANT METALS & ALLOYS
- RT ALLOYS
- CERAMIC MATERIALS
- GRAN STRUCTURES (METALLURGY)

**Certification**

**USE LICENSING**

**Cesarean transfem**

**USE SERIES**

**CESIUM ELECTRON TUBES**

- BT ELECTRON TUBES

**Chaff**

**USE RADAR CONFUSION REFLECTORS**

**CHAINS**

**CHANNEL SELECTORS**

- UF Microphone selectors
- Radio channel selectors
- Selectors (Channel)
- BT ELECTRIC SWITCHES
- RT ROTARY SWITCHES

**Character recognition**

**USE PATTERN RECOGNITION**

**Characteristic X rays**

**USE X RAYS**

**CHARGED PARTICLES**

- UF Ions (Atomic)
- NT ELECTRONS
- PROTONS
- RT COSMIC RAYS
- ELEMENTARY PARTICLES
- NUCLEAR PARTICLES
- NUCLEONS

**Charting**

**USE SURVEYING**

**Charts**

**USE MAPS**

**CHECKOUT PROCEDURES**

(Sequences of operational and calibration tests performed on guided missiles and associated equipment)

- UF Countdown procedures
- Pre-launch procedures

- BT TEST METHODS

**CHEMICAL ANALYSIS**

- BT CHEMISTRY
- NT CHROMATOGRAPHIC ANALYSIS
- MICROANALYSIS
- POLAROGRAPHIC ANALYSIS
- QUANTITATIVE ANALYSIS
- VOLUMETRIC ANALYSIS
- RT GAS ANALYSIS

**CHEMICAL COMPOUNDS**

- NT ALUMINUM COMPOUNDS
- ARSENIDES
- BARIUM COMPOUNDS
- BORANES
- BOROHYDRIDES
- BORON COMPOUNDS
- HALOGEN COMPOUNDS
- INORGANIC COMPOUNDS
- IRON COMPOUNDS
- ORGANIC COMPOUNDS
- PENTABORANES
- RARE EARTH COMPOUNDS
- RARE EARTHS
- SELENIDES
- SILICIC ACIDS
- TITANIUM COMPOUNDS
- ZINC COMPOUNDS

- RT CHEMICALS

**CHEMICAL ELEMENTS**

- NT CALCIUM

**CHEMICAL MILLING**

**CHEMICAL PROPERTIES**

**CHEMICAL REACTIONS**

- NT DECOMPOSITION
- ELECTROLYSIS
- HYDROLYSIS
- OXIDATION
- PHOTOCHEMISTRY
- RT CATALYSIS
- DEHYDRATION
- REACTION KINETICS

**Chemical spray tanks**

**USE SPRAY TANKS**

**Chemical waste**

**USE WASTES (INDUSTRIAL)**

**CHEMICALS**

- RT CHEMICAL COMPOUNDS

**CHEMISTRY**

- NT BIOCHEMISTRY
- BLOOD CHEMISTRY
- CHEMICAL ANALYSIS
- ELECTROCHEMISTRY
- PHOTOCHEMISTRY
- PHYSICAL CHEMISTRY
- THERMOCHEMISTRY
- RT MATHEMATICS
- PHYSICS
- SCIENTIFIC RESEARCH

**CHEMOTHERAPEUTIC AGENTS**

- RT DRUGS

**Chesh**

**USE THORAX**

**Chewing**

**USE MASTICATION**

**CN square root**

**USE STATISTICAL TESTS**

**CHILDREN**

- BT MAMMALS

- MAN

- RT INFANTS

**Children**

**USE INSECTICIDES**

**CHLORIDES**

- BT HALIDES

- RT CHLORINE

**CHLORINE COMPOUNDS**

**CHLORINE**

- BT GROUP VI ELEMENTS
- HALOGENS
- NON-METALS

- RT CHLORIDES

**CHLORINE COMPOUNDS**

- BT HALOGEN COMPOUNDS

- RT CHLORIDES

**Chlorophyll**

**USE ALGAE**

**Cholesterol**

**USE STEROIDS**

# CHOLESTEROL

**CHOLESTEROL**  
 BT STEROIDS  
 RT ATHEROSCLEROSIS  
**Cholinergic nerves**  
 USE AUTONOMIC NERVOUS SYSTEM  
**Choroid**  
 USE EYE  
**CHROMATOGRAPHIC ANALYSIS**  
*(The analysis of mixtures of solutions by using adsorbents to separate the substances in solution by selective adsorption.)*  
 UF Electrochromatography  
 RT CHEMICAL ANALYSIS  
 RT MICROANALYSIS  
 QUANTITATIVE ANALYSIS  
**CHROMIUM**  
 BT GROUP VI ELEMENTS  
 METALS  
 TRANSITION ELEMENTS  
**CHROMIUM ALLOYS**  
 BT ALLOYS  
**CHROMOPROTEINS**  
 UF Hemocyanin  
**CHRONOGRAPHS**  
 UF Chronometers  
 Chronoscopes  
 BT CLOCKS  
**Chronometers**  
 USE CHRONOGRAPHS  
**Chronoscopes**  
 USE CHRONOGRAPHS  
**Chrysophyta**  
 USE ALGAE  
**Chutes**  
 USE CONVEYORS  
**Cicada functions**  
 USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)  
**Circles**  
 USE RINGS  
**CIRCUIT BREAKERS**  
 BT ELECTRIC SWITCHES  
 RT FUSES (ELECTRICAL)  
**CIRCUITS**  
 BT NETWORKS  
 NT CATHODE FOLLOWERS  
 COUPLING CIRCUITS  
 DELAY CIRCUITS  
 FIRING CIRCUITS  
 GATES (CIRCUITS)  
 INTEGRATED CIRCUITS  
 INVERTER CIRCUITS  
 NEGATIVE RESISTANCE CIRCUITS  
 PACKAGED CIRCUITS  
 PHASE DETECTORS  
 PRINTED CIRCUITS  
 SCALERS  
 SWITCHING CIRCUITS  
 TUNING CIRCUITS  
 TRIGGER CIRCUITS  
 TUNED CIRCUITS  
 RT WIRING DIAGRAMS  
**CIRCULAR ERROR PROBABILITY**  
**Circular normal probabilities**  
 USE PROBABILITY  
**Circulators (Waveguide)**  
 USE WAVEGUIDE CIRCULATORS  
**Circulatory system**  
 USE CARDIOVASCULAR SYSTEM  
**CIRRUS CLOUDS**  
 BT CLOUDS  
**Cities**  
 USE URBAN AREAS  
**CIVIL AVIATION**  
 NT AIR CARRIERS  
 RT AIR TRAFFIC  
 AIR TRAFFIC CONTROL SYSTEMS  
 AIR TRANSPORTATION  
 NAVAL AVIATION  
 TERMINAL FLIGHT FACILITIES  
**CIVIL DEFENSE SYSTEMS**  
 BT DEFENSE SYSTEMS  
 RT AIRCRAFT DEFENSE  
 SYSTEMS  
 EARLY WARNING SYSTEMS  
 NATIONAL DEFENSE  
**CIVIL ENGINEERING**  
 BT ENGINEERING  
 RT MARINE ENGINEERING  
**Civil government**  
 USE POLITICAL SCIENCE  
**Civil service employees**  
 USE GOVERNMENT EMPLOYEES

**Cladocera**  
 USE CRUSTACEA  
**Clans**  
 USE TOPOLOGY  
**CLASSIFICATION**  
 BT DOCUMENTATION  
 RT BIBLIOGRAPHIES  
 CATALOGS  
 INDEXES  
 RECORDS  
 REPORTS  
 SUBJECT INDEXING  
**CLAY**  
 BT ROCK (GEOLOGY)  
**CLEANING**  
**CLEANING COMPOUNDS**  
 UF Cleaning fluids  
 NT SOAPS  
 RT PAINT REMOVERS  
**Cleaning fluids**  
 USE CLEANING COMPOUNDS  
**CLEAR AIR TURBULENCE**  
 UF Cat  
 BT ATMOSPHERIC MOTION  
 RT TURBULENCE  
**CLEARANCE**  
 UF Final clearance  
 BT AIR TRAFFIC CONTROL SYSTEMS  
**Climate**  
 USE CLIMATOLOGY  
**CLIMATOLOGY**  
 UF Climate  
 RT ATMOSPHERE MODELS  
 GEOGRAPHY  
 METEOROLOGY  
 POLAR REGIONS  
**CLIMBING**  
 UF Zooming  
 BT FLIGHT  
**Clinical psychology**  
 USE ABNORMAL PSYCHOLOGY  
**CLOCKS**  
 UF Aircraft clocks  
 Electric clocks  
 Stop watches  
 Watches (Timers)  
 Wrist watches  
 NT CHRONOGRAPHS  
 RT FLIGHT INSTRUMENTS  
**Closed field**  
 USE NEAR FIELD  
**CLOSED-CYCLE ECOLOGICAL SYSTEMS**  
*(Closed systems that support life in extreme environments by providing food and oxygen and disposing of waste products without aid from outside sources.)*  
 RT LIFE SUPPORT  
 SPACE BIOLOGY  
 SPACE MEDICINE  
**CLOTHING**  
 NT EXPOSURE SUITS  
 FLIGHT CLOTHING  
 GLOVES  
 PRESSURE SUITS  
 PROTECTIVE CLOTHING  
 SOCKS  
**CLOUD COVER**  
*(The amount of sky covered by clouds.)*  
 UF Cloudiness  
 BT METEOROLOGICAL PARAMETERS  
**CLOUD HEIGHT INDICATORS**  
 BT HEIGHT FINDING  
 METEOROLOGICAL  
 INSTRUMENTS  
 RT ALTIMETERS  
 CERNO  
 METEOROLOGICAL RADAR  
**Cloud seeding**  
 USE ARTIFICIAL PRECIPITATION  
**Cloudiness**  
 USE CLOUD COVER  
**CLOUDS**  
 BT ATMOSPHERIC CONDENSATION  
 METEOROLOGICAL PHENOMENA  
 NT CIRRUS CLOUDS  
 CUMULONIMBUS CLOUDS  
 CUMULUS CLOUDS  
 FOG  
 NOCTUCLUCENT CLOUDS  
 STRATUS CLOUDS  
 RT CONDENSATION  
 ICE FOG

**Clutter**  
 USE RADAR CLUTTER  
**CNS DEPRESSANTS**  
 UF Central nervous system depressants  
 NT ALCOHOL  
 ANESTHETICS  
 TRANQUILIZERS  
 RT ANTIHISTAMINICS  
 AUTONOMIC AGENTS  
 DRUGS  
**CNS STIMULANTS**  
 UF Analeptics  
 Central nervous system stimulants  
 Convulsants  
 Stimulants (cns)  
 Thebaines  
 NT AMPHETAMINES  
 RT AUTONOMIC AGENTS  
 DRUGS  
**COANDA EFFECT**  
**COAST GUARD**  
 BT MILITARY ORGANIZATIONS  
 RT ARMED FORCES (UNITED STATES)  
 DEPARTMENT OF DEFENSE  
**COATINGS**  
 BT FINISHES & FINISHING  
 NT ALUMINUM COATINGS  
 ANTIFOULING COATINGS  
 BITUMINOUS COATINGS  
 CERAMIC COATINGS  
 FIRE-RESISTANT COATINGS  
 METAL COATINGS  
 ORGANIC COATINGS  
 PAINTS  
 PHOSPHATE COATINGS  
 PLASTIC COATINGS  
 PLATING  
 REFRACTORY COATINGS  
 RUBBER COATINGS  
 VAPOR PLATING  
 VARNISHES  
 RT ANTIRAIN AGENTS  
 CORROSION INHIBITION  
 FLAME SPRAYING  
 PROTECTIVE TREATMENTS  
**COAXIAL CABLES**  
 BT ELECTRIC CABLES  
 RT ELECTRIC WIRE  
 RADIOFREQUENCY CABLES  
**COBALT**  
 BT METALS  
 TRANSITION ELEMENTS  
**COBALT ALLOYS**  
 BT ALLOYS  
**Cobol**  
 USE PROGRAMMING LANGUAGES  
**Cochise**  
 USE EAR  
**COCKPITS**  
 BT AIRCRAFT EQUIPMENT  
 NT JETTISONABLE COCKPITS  
 RT AIRCRAFT CABINS  
 FLIGHT INSTRUMENTS  
 PILOT SEATS  
**CODING**  
*(Converting information into symbols to enable mechanical transmission.)*  
 RT COMMUNICATION THEORY  
**Coding (Computers)**  
 USE PROGRAMMING (COMPUTERS)  
**Coefficient determination**  
 USE DIFFERENTIAL EQUATIONS  
**COHERENT RADAR**  
 BT RADAR  
**Cohomology**  
 USE ALGEBRAIC TOPOLOGY  
**COILS**  
*(Compact windings of conductors to form inductors for coils producing magnetic fields for the conversion of electrical into mechanical energy.)*  
 NT SOLENOIDS  
 RT ELECTROMAGNETS  
 GENERATORS  
 OSCILLATORS  
 POWER EQUIPMENT  
 POWER SUPPLIES  
 POWER TRANSFORMERS  
**Coins**  
 USE MONEY  
**COLD CATHODE TUBES**  
 BT ELECTRON TUBES  
 RT DISCHARGE TUBES

# THESAURUS OF FAA DESCRIPTORS

**COLD WEATHER TESTS**  
 UF Arctic tests  
 BT ENVIRONMENTAL TESTS  
 TESTS  
 RT LOW-TEMPERATURE RESEARCH  
**COLLECTING METHODS**  
**College students**  
 USE STUDENTS  
**Colleges**  
 USE UNIVERSITIES  
**COLLIMATORS**  
*(Device for producing beams of light molecules or atoms.)*  
 RT OPTICAL INSTRUMENTS  
**COLLISION AVOIDANCE**  
 UF Anti-collision  
 RT AIR TRAFFIC CONTROL SYSTEMS  
 AVIATION ACCIDENTS  
 COLLISIONS  
 WARNING SYSTEMS  
**COLLISIONS**  
 UF Mid-air collisions  
 BT ACCIDENTS  
 RT AVIATION ACCIDENTS  
 AVIATION INJURIES  
 COLLISION AVOIDANCE  
 MOTOR VEHICLE ACCIDENTS  
**COLLOIDS**  
*(A state of matter characterized by particles of either a solid liquid or gas dispersed in a second medium that may be solid liquid or gaseous. Specific examples of colloids are BLOOD, CLOUDS, milk, PAINTS, and PHOTOGRAPHIC EMULSIONS, are represented as separate descriptors and are not considered to be encompassed by this meaning.)*  
 UF Emulsions  
 NT AEROSOLS  
 FOAMS  
 GELS  
 SMOKES  
 RT ALLOYS  
 ELECTROPHORESIS  
 SOLUTIONS  
**Colon**  
 USE INTESTINES  
**Color blindness**  
 USE COLOR VISION  
**COLOR TELEVISION**  
 UF Color television systems  
 BT COMMUNICATION SYSTEMS  
 TELEVISION COMMUNICATION  
 SYSTEMS  
 RT TELEVISION EQUIPMENT  
**Color television systems**  
 USE COLOR TELEVISION  
**COLOR TELEVISION TUBES**  
 BT CATHODE RAY TUBES  
 ELECTRON TUBES  
**COLOR VISION**  
 UF Color blindness  
 RT VISION  
**COLORIMETRY**  
*(The measurement of color except in chemical analysis.)*  
 RT OPTICAL ANALYSIS  
 SPECTROSCOPY  
**COLORS**  
 BT OPTICAL PROPERTIES  
 RT BRIGHTNESS  
 LIGHT TRANSMISSION  
**Columbian**  
 USE MEXICO  
**Columns**  
 USE SUPPORTS  
**Combol**  
 USE WARFARE  
**COMBAT INFORMATION CENTERS**  
**COMBINATORIAL ANALYSIS**  
 UF Block designs  
 Designs (Mathematics)  
 Enumeration theory  
 Factorial experiments  
 Latin squares  
 Matchbox theory  
 Permutations  
 Response surfaces  
 Rotatable designs  
**Combustibility**  
 USE FLAMMABILITY  
**COMBUSTION**  
 RT FLAMES

**COMBUSTION (Con)**  
FUEL CONSUMPTION  
FUELS  
OXIDATION

**COMBUSTION CHAMBER GASES**  
(The gases in a combustion chamber before or after ignition. For studies of gases ejected from the combustion chamber see EXHAUST GASES.)

RT EXHAUST GASES  
FLAMES  
FUEL INJECTION

**COMBUSTION CHAMBER LINERS**  
UF Cylinder liners

**COMBUSTION CHAMBERS**  
RT FLAME ARRESTERS  
FLAME HOLDERS  
FURNACES

**COMBUSTION DEPOSITS**  
UF Carbon deposits  
BT COMBUSTION PRODUCTS  
RT EXHAUST GASES

**COMBUSTION PRODUCTS**  
NT COMBUSTION DEPOSITS  
EXHAUST GASES

**COMMAND GUIDANCE**  
(Control or direction by an external source, as of an aircraft or missile by electronic signals.)

BT GUIDANCE  
**COMMAND & CONTROL SYSTEMS**  
BT COMMUNICATION SYSTEMS

**COMMERCE**

UF Business  
Foreign trade  
Trade  
RT BUDGETS  
COSTS  
DISTRIBUTION (ECONOMICS)  
ECONOMICS  
INDUSTRIAL PRODUCTION

**COMMUNICATION EQUIPMENT**  
NT COMMUNICATION SATELLITES

(ACTIVE)  
COMMUNICATION SATELLITES  
(PASSIVE)  
CRYSTAL DETECTORS  
EARPHONES  
FACSIMILE EQUIPMENT  
FREQUENCY-SHIFT KEYS  
LOUDSPEAKERS  
MICROPHONES  
PULSE TRANSMITTERS  
RADIO BEACONS  
RADIO EQUIPMENT  
RADIO RECEIVERS  
RADIO TOWERS  
RADIO TRANSMITTERS  
RADIOTELEPHONES  
STEREOSCOPIC DISPLAY  
SYSTEMS  
TELEPHONE EQUIPMENT  
TELEPHONE LINES  
TELEVISION CAMERAS  
TELEVISION CONVERTERS  
TELEVISION DISPLAY SYSTEMS  
TELEVISION EQUIPMENT  
TELEVISION RECEIVERS  
TELEVISION TRANSMITTERS  
TRANSMITTER-RECEIVERS  
WALKIE-TALKIES  
RT DISPLAY SYSTEMS  
REPAIRED EQUIPMENT  
RADAR EQUIPMENT

**COMMUNICATION SATELLITES (ACTIVE)**  
BT COMMUNICATION EQUIPMENT  
SATELLITES (ARTIFICIAL)  
SPACECRAFT

**COMMUNICATION SATELLITES (PASSIVE)**  
BT COMMUNICATION EQUIPMENT  
SATELLITES (ARTIFICIAL)  
SPACECRAFT

**COMMUNICATION SYSTEMS**  
(An system including theory, techniques, hardware personnel, etc., that contribute to complete communication for design, testing, production, etc. of hardware see COMMUNICATION SYSTEMS (GENERAL))  
NT COLOR TELEVISION  
COMMAND & CONTROL SYSTEMS  
FACSIMILE COMMUNICATION  
SYSTEMS

FIELD WIRE COMMUNICATION  
SYSTEMS  
GLOBAL COMMUNICATION  
SYSTEMS  
INTERCOMMUNICATION SYSTEMS  
LIGHT COMMUNICATION  
SYSTEMS

MICROWAVE COMMUNICATION  
SYSTEMS  
MICROWAVE RELAY SYSTEMS  
MULTICHANNEL TELEPHONE  
SYSTEMS

PHASE-LOCKED  
COMMUNICATION SYSTEMS  
PUBLIC ADDRESS SYSTEMS  
PULSE COMMUNICATION  
SYSTEMS

RADIO COMMUNICATION  
SYSTEMS  
RADIO RELAY STATIONS  
RADIO RELAY SYSTEMS  
RADIO STATIONS  
RADIO TELETYPE SYSTEMS

SINGLE SIDEBAND  
COMMUNICATION SYSTEM  
SINGLE SIDEBAND  
COMMUNICATION SYSTEM

SPACE COMMUNICATION  
SYSTEMS  
TELEMETRY SYSTEMS  
TELEPHONE COMMUNICATION  
SYSTEMS

TELETYPE SYSTEMS  
TELEVISION COMMUNICATION  
SYSTEMS  
TELEVISION STATIONS  
VOICE COMMUNICATION  
SYSTEMS

RT DATA TRANSMISSION SYSTEMS  
SIGNALS

**COMMUNICATION THEORY**  
UF Information theory

RT CODING  
**COMMUNICATIONS EQUIPMENT**

NT WALKIE-TALKIES  
Communicator stones  
USE ABRASIVES

**COMPARATIVE STUDIES**  
**COMPASSES**

BT POSITION FINDING  
NT RADIO COMPASSES  
RT DIRECTION FINDING

**COMPATIBILITY**  
(The ability of given materials, especially rocket and ammunition propellants, to remain unchanged under various conditions when in the presence of other materials.)  
RT STORAGE

**COMPLEX NUMBERS**  
**COMPOSITE MATERIALS**

(Bonded combinations of plastic resins, composites or other dissimilar materials.)  
RT REINFORCING MATERIALS

**COMPRESSED AIR**  
BT AIR

**COMPRESSIBLE FLOW**  
BT FLUID FLOW  
GAS FLOW

RT INCOMPRESSIBLE FLOW

Compression shock  
USE SHOCK WAVES

**COMPRESSIVE PROPERTIES**  
(Response to compression loads.)

BT MECHANICAL PROPERTIES  
RT TENSILE PROPERTIES

**COMPRESSOR BLADES**  
NT AXIAL FLOW COMPRESSOR  
BLADES

RT COMPRESSOR ROTORS  
COMPRESSOR STATORS  
ROTOR BLADES

(TURBOMACHINERY)

**COMPRESSOR NOISE**  
BT NOISE

**COMPRESSOR ROTORS**  
RT AXIAL FLOW COMPRESSOR  
BLADES

COMPRESSOR BLADES  
TURBINE WHEELS

**COMPRESSOR STATORS**  
RT AXIAL FLOW COMPRESSOR  
BLADES

COMPRESSOR BLADES

**COMPRESSORS**

NT AXIAL-FLOW COMPRESSORS  
CENTRIFUGAL COMPRESSORS  
HIGH-PRESSURE COMPRESSORS  
ROTARY COMPRESSORS

RT FANS  
TURBINES

**COMPUTER LOGIC**

UF Logical networks

**COMPUTER STORAGE DEVICES**  
NT CRYOGENIC STORAGE DEVICES  
DATA STORAGE SYSTEMS  
DELAY LINES  
INPUT-OUTPUT DEVICES  
MAGNETIC CORE STORAGE  
MAGNETIC CORES  
MAGNETIC TAPE  
PUNCHED CARDS  
PUNCHED TAPE  
STORAGE TUBES  
THIN FILMS (STORAGE DEVICES)

**COMPUTERS**

UF Calculating machines  
NT ANALOG COMPUTERS  
ANALOG-DIGITAL COMPUTERS  
BOMBING COMPUTERS  
DIGITAL COMPUTERS  
NAVIGATION COMPUTERS  
RADAR RANGE COMPUTERS  
SPECIAL PURPOSE COMPUTERS  
CONTROL SIMULATORS  
DATA PROCESSING SYSTEMS  
DATA TRANSMISSION SYSTEMS  
ELECTRONIC ACCOUNTING  
MACHINES  
FAST TIME  
GUIDED MISSILE SIMULATORS  
INFORMATION RETRIEVAL  
PROGRAMMING (COMPUTERS)  
SIMULATION  
UPDATING (COMPUTERS)

**CONCRETE**

UF Concrete pavements  
Concrete surfacing  
NT REINFORCED CONCRETE  
RT CEMENTS  
PAVEMENTS

Concrete pavements  
USE CONCRETE  
and PAVEMENTS

Concrete surfacing  
USE CONCRETE  
and PAVEMENTS

**CONCUSSION**

BT WOUNDS & INJURIES  
RT SHOCK (PATHOLOGY)  
STRESS (PHYSIOLOGY)

**CONDENSATION**

(Change of state from gas or vapor to liquid or solid. Also meteorological phenomenon; excludes chemical reactions.)

RT ATMOSPHERIC PRECIPITATION  
CLOUDS  
NUCLEATION

**CONDENSATION TRAILS**

UF Comets  
Exhaust trails  
Vapor trails  
RT WAKE

Condensers (Electrical)  
USE CAPACITORS

**CONDITIONED REFLEX**

UF Conditioned responses  
BT BEHAVIOR  
REFLEXES  
RT ADJUSTMENT (PSYCHOLOGY)  
LEARNING  
MOTOR REACTIONS  
PSYCHOLOGY  
REACTION (PSYCHOLOGY)

Conditioned response  
USE CONDITIONED REFLEX

**CONDUCTIVITY**

NT ELECTRICAL CONDUCTANCE  
PHOTOCONDUCTIVITY  
SUPERCONDUCTIVITY  
THERMAL CONDUCTIVITY

Conductivity (Electrical)  
USE ELECTRICAL CONDUCTANCE

Conductivity (Thermal)  
USE THERMAL CONDUCTIVITY

**CONFERENCES**

RT SYMPOSIA

**Confidence limits**

USE STATISTICAL ANALYSIS

**Configural scoring**

USE FACTOR ANALYSIS

**CONFIGURATION**

**CONFINED ENVIRONMENTS**  
(Restricted or isolated environments involving any number of people such as in spacecraft, submarines, or bomb shelters.)

RT SENSORY DEPRIVATION  
STRESS (PSYCHOLOGY)

**CONFORMAL MAPPING**

UF Representation (Mathematics)  
BT TRANSFORMATIONS  
(MATHEMATICS)

**Congress**

USE UNITED STATES GOVERNMENT

**CONICAL ANTENNAS**

BT ANTENNA CONFIGURATIONS  
ANTENNAS

**CONICAL BODIES**

BT BODIES OF REVOLUTION  
GEOMETRIC FORMS  
RT HEMISPHERICAL SHELLS  
OGIVES  
WEDGES

**CONICAL NOZZLES**

BT NOZZLES  
RT EXHAUST NOZZLES  
GAS TURBINE NOZZLES  
ROCKET MOTOR NOZZLES  
SPRAY NOZZLES  
SUBSONIC NOZZLES

**CONICAL WINGS**

BT AERODYNAMIC CONFIGURATIONS  
WINGS  
RT GEOMETRIC FORMS

Conjugated proteins  
USE PROTEINS (CONJUGATED)

Conservation laws (Mathematics)  
USE DIFFERENTIAL GEOMETRY

Constant-speed drives  
USE DRIVERS  
and SPEED REGULATORS

**CONSTRUCTION**

Contact lenses

USE EYEGLASSES

**CONTAINERS**

UF Boxes  
Buckets  
Cans  
Packaging  
NT FUEL TANKS  
OIL TANKS  
PACKS (PARACHUTE)  
SPRAY TANKS  
STORAGE TANKS  
TANKS (CONTAINERS)  
WATER TANKS  
RT STORAGE

**CONTAMINATION**

NT RADIOACTIVE FALLOUT  
RADIOLOGICAL CONTAMINATION  
RT ATMOSPHERIC POLLUTION  
DECONTAMINATION  
DOSIMETERS  
RADIATION HAZARDS

**CONTINUOUS WAVE RADAR**

UF CW radar  
BT RADAR

**Contour mapping**

USE MAPPING

**CONTRACTION**

RT MUSCLES

**Controls**

USE CONDENSATION TRAILS

**CONTROL**

Control amplifiers

USE SERVO AMPLIFIERS

Control boxes

USE CONTROL PANELS

**CONTROL JETS**

RT AERODYNAMIC CONTROL  
SURFACES  
CONTROL SURFACES  
CONTROL SYSTEMS  
JETS  
THRUST VECTOR CONTROL  
SYSTEMS

**CONTROL KNOBS**

UF Knobs  
RT AIRCRAFT EQUIPMENT

# CONTROL PANELS

## CONTROL PANELS

UF Control boxes  
NT INSTRUMENT PANELS  
RT PANEL BOARDS (ELECTRICITY)

## CONTROL SIMULATORS

BT SIMULATION  
RT COMPUTERS  
FAST TIME  
FLIGHT SIMULATORS  
FLUTTER SIMULATORS

## CONTROL STICKS

UF Sticks (Aeronautics)  
BT AIRCRAFT EQUIPMENT  
RT AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
CONTROL SYSTEMS

## CONTROL SURFACES

(Surfaces that provide predictable influences over the trajectories of bodies moving through gases or liquids.)

NT AERIAL RUDDERS  
AERODYNAMIC CONTROL SURFACES  
ALERONS  
AIR BRAKE FLAPS  
ELEVATORS  
FINS  
FLAPS  
LEADING EDGE  
LEADING EDGE FLAPS  
SLOTTED FLAPS  
SPLIT FLAPS  
SPOILERS  
STABILIZERS (HORIZ TAIL SURFACES)  
STABILIZERS (VERT TAIL SURFACES)  
TRAILING CONTROL SURFACES  
TRAILING EDGE  
TRIM TABS

RT AERODYNAMIC CONFIGURATIONS  
AIRCRAFT EQUIPMENT  
CONTROL JETS  
CONTROL STICKS  
CONTROL SYSTEMS  
FLUID MECHANICS  
HYDRODYNAMIC CONFIGURATIONS  
PLANNING SURFACES

## CONTROL SYSTEMS

NT ADAPTIVE CONTROL SYSTEMS  
FLIGHT CONTROL SYSTEMS  
RT CONTROL JETS  
CONTROL STICKS  
CONTROL SURFACES  
GUIDANCE  
SPEED REGULATORS  
TEMPERATURE CONTROL

Controlable-pitch propellers  
USE VARIABLE-PITCH PROPELLERS

## CONTROLLED ATMOSPHERES

UF Test atmospheres

## CONVECTION

UF Convection  
Updrafts  
BT ATMOSPHERIC MOTION  
METEOROLOGICAL PHENOMENA

## CONVERGENT-DIVERGENT NOZZLES

BT ROCKET MOTOR NOZZLES

## CONVERGENT-DIVERGENT NOZZLES

BT ROCKET MOTOR NOZZLES

## CONVERTIBLE AIRPLANES

UF Convertiplanes  
BT AIRCRAFT  
AIRPLANES  
SHORT TAKE-OFF PLANES  
RT AUTOGYROS  
VERTICAL TAKE-OFF PLANES

## CONVEYERS

USE CONVEYABLE AIRPLANES

## CONVEYORS

USE CONVEX SETS

## CONVEYORS

USE FUNCTIONS

## CONVEY POLYHEDRAL CONES

USE CONVEX SETS

## CONVEY SETS

UF Convex curves  
Convex polyhedral cones  
Convexity theorem

## Convexity theorem

USE CONVEX SETS

## CONVEYORS

UF Chutes  
Tramways  
Transfer trays

## CONVEYORS

USE CNS STIMULANTS

## CONVULSIVE DISORDERS

UF Eclampsia  
Myoclonus  
Tetany

BT PATHOLOGY

NT EPILEPSY

## COOLANTS

UF Heat transfer fluids

RT REFRIGERANTS

## Coolers

USE COOLING

## COOLING

UF Coolers  
NT FILM COOLING  
TRANSPIRATION COOLING

RT ABLATION

## COOLING & VENTILATING EQUIPMENT

NT AIR CONDITIONING EQUIPMENT

REFRIGERATION SYSTEMS

VENTILATION DUCTS

RT REFRIGERANTS

VENTILATION

## COPPER

BT GROUP I ELEMENTS

METALS

## COPPER ALLOYS

BT ALLOYS

NT BRASS

## CORDAGE

UF Ropes  
Shroud lines

RT CABLES (MECHANICAL)

## CORNEA

BT EYE

Coronary circulation

USE BLOOD CIRCULATION

and HEART

## CORRECTIONS

Correction coefficients

USE STATISTICAL FUNCTIONS

Correction functions

USE STATISTICAL FUNCTIONS

## CORRELATION TECHNIQUES

(Mathematical procedures for examining the significance of relationships among variables which may be used in estimation of "real" systems and equipment as well as in purely theoretical investigations.)

BT STATISTICAL ANALYSIS

RT AUTOMATIC NAVIGATORS

CORRELATORS

STATISTICAL FUNCTIONS

## CORRELATORS

(Devices that detect weak signals in noise by performing an electronic operation.)

UF Autocorrelators

Crosscorrelators

Synchronous correlators

Synchronous detectors

RT CORRELATION TECHNIQUES

## CORROSION

UF Corrosion research

Corrosive effects

RT DEGRADATION

OXIDATION

## CORROSION INHIBITION

UF Corrosion inhibitors

Corrosion prevention

Rust prevention

NT CATHODIC PROTECTION

RT COATINGS

PROTECTIVE TREATMENTS

Corrosion inhibitors

USE CORROSION INHIBITION

Corrosion prevention

USE CORROSION INHIBITION

Corrosion research

USE CORROSION

## CORROSION-RESISTANT ALLOYS

BT ALLOYS

Corrosive effects

USE CORROSION

## Corticograms

USE ELECTROENCEPHALOGRAPHY

## Corticoids

USE CORTICOSTEROID AGENTS

## CORTICOSTEROID AGENTS

UF Adrenal cortex hormones

Aldosterone

Corticoids

Corticosterone

Cortisone

Dca

Desoxycorticosterones

Electrocortin

Hydrocorticosterone

Prednisolone

Triamcinolone

BT HORMONES

RT DRUGS

## Corticosterone

USE CORTICOSTEROID AGENTS

## Corticotropin

USE ADRENOCORTICOTROPIC HORMONES

## Cortisone

USE CORTICOSTEROID AGENTS

## CORUNDUM

UF Emery

NT RUBY

RT ABRASIVES

## Cosmic particles

USE COSMIC RAYS

## COSMIC RAYS

UF Cosmic particles

RT CHARGED PARTICLES

ELECTRONS

ELEMENTARY PARTICLES

NEUTRONS

NUCLEAR PARTICLES

NUCLEONS

PROTONS

SPACE ENVIRONMENTAL CONDITIONS

## Cosmonauts

USE ASTRONAUTS

## COSTS

RT BUDGETS

COMMERCE

DISTRIBUTION (ECONOMICS)

ECONOMICS

INDUSTRIAL PRODUCTION

WAGES

## COTTON

BT PLANTS (BOTANY)

Cotton dust

USE COTTON TEXTILES

## COTTON TEXTILES

UF Cotton dust

BT TEXTILES

RT FIBERS

## Crabapple oil

USE VEGETABLE OILS

## Crabapple procedures

USE CHECKOUT PROCEDURES

## COUNTERMEASURES

## COUNTING METHODS

RT GROSS COUNTS

GAMMA COUNTERS

GEIGER COUNTERS

NEUTRON COUNTERS

RADIATION MEASUREMENT SYSTEMS

SAMPLERS

SCALERS

## COUPLED ANTENNAS

BT ANTENNA CONFIGURATIONS

ANTENNAS

## COUPLERS

NT WAVEGUIDE COUPLERS

RT COUPLING CIRCUITS

## COUPLING CIRCUITS

BT CIRCUITS

COUPLERS

INVERTER CIRCUITS

## COUPLINGS

BT FITTINGS

NT FLEXIBLE COUPLINGS

HYDRAULIC COUPLINGS

SELF-SEALING COUPLINGS

NT DISCONNECT FITTINGS

NOSE FITTINGS

SUSPENSION DEVICES

## COURSE INDICATORS

BT DRIFTMETERS

RT DEAD RECKONING

# THESAURUS OF FAA DESCRIPTORS

## FLIGHT INSTRUMENTS

## FLIGHT SPEED INDICATORS

## Course mapping

USE MAPPING

and NAVIGATION

## CRAB

(To turn an aircraft partly into the wind to compensate for drift.)

UF Decrab

BT FLIGHT

RT SIDESLIP

## Crabs

USE CRUSTACEA

## Cracking (Mechanical)

USE FRACTURE (MECHANICS)

## Cramer-Smirnov test

USE STATISTICAL TESTS

## Cranes

USE HOISTS

## Crank-Nicolson procedure

USE NUMERICAL METHODS AND PROCEDURES

## CRANKED WINGS

UF Gull wings

BT WINGS

## CRASH TESTING

BT TESTS

RT AVIATION ACCIDENTS

## CRASH VEHICLES

(Vehicles used in crash rescue or recovery operations.)

BT VEHICLES

RT AMBULANCES

FIREFIGHTING VEHICLES

RECOVERY VEHICLES

## CRASHWORTHINESS

BT AVIATION SAFETY

## CREEP

(Slow plastic deformation under stress.)

UF Plastic flow

BT DEFORMATION

MECHANICAL PROPERTIES

RT Ductility

## CREW (AIR)

USE FLIGHT CREWS

## Criminal psychology

USE CRIMINOLOGY

## CRIMINOLOGY

UF Criminal psychology

BT SOCIOLOGY

RT ABNORMAL PSYCHOLOGY

## Crosscorrelators

USE CORRELATORS

## CRUCIFORM WINGS

BT AERODYNAMIC CONFIGURATIONS

WINGS

## CRUISING

BT FLIGHT

## CRUSTACEA

UF Crustaceans

Crabs

Decapoda

Lobsters

Shrimps

BT ANIMALS

## CRYOGENIC STORAGE DEVICES

UF Cryogenics

BT COMPUTER STORAGE DEVICES

RT SEMICONDUCTORS

SUPERCONDUCTIVITY

Thin films: STORAGE DEVICES.

## CRYOGENICS

(Studies of temperatures below 120 K.)

RT LIQUEFIED GASES

LOW-TEMPERATURE RESEARCH

PHYSICS

SUPERCONDUCTIVITY

**CRYSTAL FILTERS (Con.)**  
TUNED CIRCUITS

**CRYSTAL GROWTH**  
UF Growth crystals  
NT EPITAXIAL GROWTH

**CRYSTAL HOLDERS**  
(Permanent mounting of crystals)

**CRYSTAL LATTICE DEFECTS**  
UF Crystal dislocations

**CRYSTAL MIXERS**  
BT DIODES (SEMICONDUCTOR)  
MIXERS (ELECTRONIC)

**CRYSTAL OSCILLATORS**  
BT OSCILLATORS  
RT ELECTRON TUBES  
RADIOFREQUENCY OSCILLATORS

**CRYSTAL RECTIFIERS**  
BT RECTIFIERS  
RT DIODES (SEMICONDUCTOR)  
FULL WAVE RECTIFIERS  
TRANSFORMERS

**CRYSTAL STRUCTURE**  
NT SYMMETRY  
(CRYSTALLOGRAPHY)  
RT ANISOTROPY  
CRYSTALLIZATION  
CRYSTALS  
ISOTROPISM  
METALLOGRAPHY  
MICROSTRUCTURE  
STRUCTURAL PROPERTIES  
X-RAY DIFFRACTION ANALYSIS

**CRYSTAL STRUCTURES**  
RT MICROSTRUCTURE

**CRYSTAL VIDEO RECEIVERS**  
UF Video receivers (Radar crystal)  
RT CRYSTAL DETECTORS  
RADAR RECEIVERS  
VIDEO AMPLIFIERS

**Crystalline lens**  
USE EYE

**CRYSTALLIZATION**  
RT CRYSTAL STRUCTURE

**CRYSTALS**  
NT FERROELECTRIC CRYSTALS  
METALLIC CRYSTALS  
PIEZOELECTRIC CRYSTALS  
SINGLE CRYSTALS  
RT CRYSTAL STRUCTURE  
FERROELECTRIC MATERIALS  
GRAIN STRUCTURES  
(METALLURGY)  
PARAMAGNETIC MATERIALS

**Cubic equations**  
USE EQUATIONS

**CULTURE**  
RT SOCIOLOGY

**Cumulative frequency functions**  
USE STATISTICAL FUNCTIONS

**CUMULONIMBUS CLOUDS**  
UF Thunderclouds  
BT CLOUDS

**CUMULUS CLOUDS**  
BT CLOUDS

**Curing**  
USE AGING MATERIALS

**Currency**  
USE MONEY

**Currents (Electric)**  
USE ELECTRIC CURRENTS

**CURVED PROFILES**  
BT GEOMETRIC FORMS  
RT BLUNT BODIES  
BODIES OF REVOLUTION  
ELLIPSOIDS  
HEMISPHERICAL SHELLS  
MONOCOQUES  
CONES  
PARABOLIC BODIES  
SPHERES

**CUT-OFF VALVES**  
BT VALVES

**CW radar**  
USE CONTINUOUS WAVE RADAR

**Cycloobutanes**  
USE VITAMIN B COMPLEX

**Cyanophyte**  
USE ALGAE

**CYBERNETICS**  
RT ARTIFICIAL INTELLIGENCE  
BIONICS  
HUMAN ENGINEERING  
MAN-MACHINE SYSTEMS  
PATTERN RECOGNITION

**Cyclic variations**  
USE PERIODIC VARIATIONS

**CYCLONES**  
(Areas of relatively low atmospheric pressure. Excludes storms associated with cyclones)  
UF Lows (Atmospheric)  
BT METEOROLOGICAL PHENOMENA  
RT ANTICYCLONES  
STORMS  
TROPICAL CYCLONES

**Cyclotron targets**  
USE PARTICLE ACCELERATOR  
TARGETS

**CYCLOTRONS**  
*Cylinder liners*  
USE COMBUSTION CHAMBER LINERS

**CYLINDRICAL BODIES**  
BT BODIES OF REVOLUTION  
GEOMETRIC FORMS  
NT STIFFENED CYLINDERS

# D

**DACRON**  
RT PARACHUTE FABRICS

**DAMAGE**  
UF Battle damage  
NT NUCLEAR EXPLOSION DAMAGE  
RADIATION DAMAGE  
RT EXPLOSION EFFECTS  
EXPLOSIONS  
EXPLOSIVE DECOMPRESSION  
PENETRATION  
VULNERABILITY

**DAMPING**  
(The suppression of motion in a vibrating or oscillating system usually by conversion to heat)  
RT HYSTERESIS  
MOTION  
OSCILLATION  
RESONANCE  
VIBRATION

**Daphnia**  
USE CRUSTACEA

**Dart adaptation**  
USE ADAPTATION (PHYSIOLOGY)  
and VISION

**Dart nose tubes**  
USE CATHODE RAY TUBES

**DATA**  
(Methods or equipment for the collection, production, analysis, interpretation of data of various kinds)  
RT FLIGHT PROGRESS STRIPS

**DATA LINK**  
all communications in channels used for transmitting digital data without paper and tape or radio equipment  
RT DATA TRANSMISSION SYSTEMS

**DATA PROCESSING SYSTEMS**  
RT COMPUTERS  
ELECTRONIC ACCOUNTING  
MACHINES  
UPDATING (COMPUTERS)

**DATA STORAGE SYSTEMS**  
BT COMPUTER STORAGE DEVICES  
RT MAGNETIC TAPE  
PUNCHED TAPE  
THIN FILMS (STORAGE DEVICES)

**DATA TRANSMISSION SYSTEMS**  
RT COMMUNICATION SYSTEMS  
COMPUTERS  
DATA LINK  
ELECTRONIC ACCOUNTING  
MACHINES

**Deaerators**  
USE ATMOSPHERICS

**Daylight**  
USE LIGHT

**Dea**  
USE CORTICOSTEROID AGENTS

**De Moivre distributions**  
USE STATISTICAL DISTRIBUTIONS

**DE-ICING MATERIALS**  
**DE-ICING SYSTEMS**  
(Equipment that prevents the formation of ice on aircraft in flight. For the prevention of ice formation on other surfaces see ICE PREVENTION)  
UF Electrical de-icing  
BT AIRCRAFT EQUIPMENT  
RT ICE-FORMATION INDICATORS

**DEAD RECKONING**  
UF Basic dead reckoning  
Precision dead reckoning  
BT NAVIGATION  
RT COURSE INDICATORS  
POSITION FIXING

**DEAFNESS**  
UF Aviation deafness  
RT HEARING  
THRESHOLDS (PHYSIOLOGY)

**Decay (Materials)**  
USE DEGRADATION

**DECELERATION**  
BT MOTION  
RT ACCELERATION  
VELOCITY

**DECISION MAKING**  
*Deck coverings*  
USE FLOOR COVERINGS

**DECOMPOSITION**  
(Bre. of chemicals into simpler constituents. For reversible molecular breakdown see DISSOCIATION. For impairment of physical properties of materials etc see DEGRADATION)  
BT CHEMICAL REACTIONS  
NT ELECTROLYSIS  
HYDROLYSIS

**DECOMPRESSION**  
NT EXPLOSIVE DECOMPRESSION  
RT PRESSURE

**DECOMPRESSION SICKNESS**  
UF Bends (Physiology)  
Dysbarism  
RT EXPLOSIVE DECOMPRESSION  
GAS EMBOLISM

**DECONTAMINATION**  
RT CONTAMINATION  
RADIATION HAZARDS  
RADIOACTIVE WASTE

**Deerod**  
USE CRAB

**DEFENSE SYSTEMS**  
NT AIRCRAFT DEFENSE SYSTEMS  
ANTI-AIRCRAFT DEFENSE  
SYSTEMS  
CIVIL DEFENSE SYSTEMS  
EARLY WARNING SYSTEMS  
NATIONAL DEFENSE  
WEAPONS SYSTEMS

**DEFLECTION**  
**DEFORMATION**  
(Change in shape of a body caused by stress)  
UF Fitting  
BT MECHANICAL PROPERTIES  
NT BUCKLING (MECHANICS)  
CREEP  
RT ELASTICITY  
EXTENSOMETERS  
PLASTICITY  
TENSILE PROPERTIES

**Defrusters**  
USE DEFROSTING

**DEFROSTING**  
UF Defrusters  
RT RADAR BEACONS  
RADAR EQUIPMENT

**Degeneration (Biology)**  
USE AGING (PHYSIOLOGY)

**DEGRADATION**  
(Impairment of some physical property, especially of materials and systems. For breakdown of chemicals into distinct parts see DECOMPOSITION)  
UF Decay (Materials)  
Deterioration  
NT FUNGUS DETRIORATION  
RT AGING MATERIALS  
CORROSION  
FAILURE (MECHANICS)

**Degummers**  
USE DRIERS (APPARATUS)

**Dehydrating agents**  
USE DESICCANTS

**DEHYDRATION**  
RT CHEMICAL REACTIONS  
DESICCANTS  
METABOLISM

**Dehydrators**  
USE DRIERS (APPARATUS)

**Dehydrogenases**  
USE OXIDOREDUCTASES

**DELAY**  
**DELAY CIRCUITS**  
(Circuits in which the output signal is delayed by a specified time interval with respect to the input signal)  
BT CIRCUITS  
RT TIMING CIRCUITS

**Delay distortion**  
USE PHASE DISTORTION

**DELAY LINES**  
UF Mercury delay lines  
Solid delay lines  
Supersonic delay lines  
Ultrasonic delay lines  
Video delay lines  
BT COMPUTER STORAGE DEVICES  
RT TRANSMISSION LINES

**DELTA WINGS**  
UF Arrow wings  
Triangular wings  
BT AERODYNAMIC CONFIGURATIONS  
WINGS

**Demodulation**  
USE MODULATION

**DENSIMETERS**  
UF Density sensitive indicators  
Hydrometers  
Pycnometers  
BT METERS

**DENSITY**  
RT MOLECULAR WEIGHT  
Density sensitive indicators  
USE DENSIMETERS

**Dental plaques**  
USE TEETH

**Dentitis**  
USE TEETH

**Department of Commerce**  
USE UNITED STATES GOVERNMENT

**DEPARTMENT OF DEFENSE**  
RT AIR FORCE  
ARMED FORCES (UNITED STATES)  
ARMY  
COAST GUARD  
UNITED STATES GOVERNMENT

**Department of State**  
USE UNITED STATES GOVERNMENT

**DEPARTURE**  
(The act of an aircraft leaving the ramp or leaving the APRON until it is out of the terminal control area)  
BT FLIGHT  
NT TAKE-OFF  
RT FLIGHT PATHS

**Departure control**  
USE ATC TERMINAL AREA

**Depositing stations**  
USE RANGES (ESTABLISHMENTS)

**Depth perception**  
USE SPACE PERCEPTION

**Desargues's Theorem**  
USE PROJECTIVE GEOMETRY

**DESCENT**  
UF Landing  
Sinking  
BT FLIGHT  
RT APPROACH  
FLARE-OUT  
FLIGHT PATHS  
GLIDE PATH  
LANDING

**DESERT**  
BT TERRAIN

**DESICCANTS**  
UF Dehydrating agents  
Driers (Chemical)  
Drying agents  
RT ABSORPTION  
DEHYDRATION

**Desiccators**  
USE DRIERS (APPARATUS)

**DESIGN**  
(Designs (Mathematics))  
USE COMBINATORIAL ANALYSIS

**Desoxycorticosterones**  
USE CORTICOSTEROID AGENTS**Desoxyephedrine**  
USE AMPHETAMINES**DETECTION**

- BT ACOUSTIC DETECTORS
- IDENTIFICATION SYSTEMS
- TARGET RECOGNITION
- RT DETECTORS
- DIRECTION FINDING STATIONS
- MOVING-TARGET INDICATORS
- OPTICAL TARGET DESIGNATORS
- PHOTOTHEODOLITES
- PLAN POSITION INDICATORS
- POSITION FINDING
- RADAR TRACKING
- RADIATION MEASUREMENT SYSTEMS
- RANGES (DISTANCE)
- SOUND RANGING
- TARGET POSITION INDICATORS
- TRACKING
- WARNING SYSTEMS

**DETECTORS**

- UF Locators
- NT ACOUSTIC DETECTORS
- IDENTIFICATION SYSTEMS
- RT DETECTION
- POSITION FINDING
- RADAR EQUIPMENT
- RADIATION MEASUREMENT SYSTEMS
- COMPO
- RANGES (DISTANCE)
- TARGET RECOGNITION
- TRACKING

**Deterioration**  
USE DEGRADATION**DETONATIONS**

(Chemical reactions in materials that produce vigorous evolution of heat and sparks or flame and move through the materials at a speed greater than that of sound. For studies of the energy released by detonations and the effects thereof, see EXPLOSIONS.)

**BT EXPLOSIONS****DETONATORS**

- UF Blasting caps
- Percussion detonators
- Primer-detonators
- RT EXPLOSIVE INITIATORS

**DEW POINT****BT HUMIDITY****Dextro-amphetamine sulfate**  
USE AMPHETAMINES**DIAGNOSIS**

(Identification of a disease from its signs or symptoms. For determination of general state of health, etc., see MEDICAL EXAMINATION.)

- UF Diagnostic methods
- RT BALLISTOCARDIOGRAPHY
- BIOCHEMISTRY
- BLOOD COUNTS
- DISEASES
- ELECTROCARDIOGRAPHY
- ELECTROENCEPHALOGRAPHY
- ETIOLOGY
- MEDICAL EXAMINATION
- MEDICINE
- PATHOLOGY

**Diagnostic methods**  
USE DIAGNOSIS**Diamagnetic properties**  
USE MAGNETIC PROPERTIES**Diamine****USE HYDRAZINES****DIAMONDS**

- UF Industrial diamonds
- BT CARBON
- MINERAL PRODUCTS
- RT ABRASIVES

**Diathermy**  
USE ELECTROTHERAPY**DICTIONARIES****UF Encyclopedias****DIELECTRIC FILMS**

- BT DIELECTRICS
- FILMS

**DIELECTRIC PROPERTIES**

(Properties of dielectrics and electric insulators excludes electric

properties of conductors and semiconductors.)

- BT ELECTRICAL PROPERTIES
- RT DIELECTRICS
- ELECTRIC INSULATION
- ELECTRICAL IMPEDANCE
- RESISTANCE (ELECTRICAL)

**DIELECTRICS**

- NT DIELECTRIC FILMS
- RT DIELECTRIC PROPERTIES
- ELECTRIC INSULATION
- RESISTANCE (ELECTRICAL)

**DIES**

- RT MACHINE TOOLS
- SMALL TOOLS

**DIESEL ENGINES**

- BT INTERNAL COMBUSTION ENGINES

**Diesel fuels****USE FUEL OIL****DIET**

- UF Dietetics
- Therapeutic diet
- RT FOOD
- NUTRITION
- THERAPY

**Dietetics****USE DIET****DIFFERENCE EQUATIONS**

- UF Dirichlet difference problem
- Laplace difference equations
- Minimum distance method
- Poisson difference equations
- Stochastic difference equations

**Differential analyzers****USE ANALOG COMPUTERS****Differential discriminators****USE PULSE HEIGHT ANALYZERS****DIFFERENTIAL EQUATIONS**

- UF Beam equations
- Coefficient determination
- Gradient equation
- Hills equation
- Limit cycles
- Mathieu differential equation
- Pendulum type equations
- Ricatti equation
- Stability criteria
- Timoshenko beam equation
- RT BOUNDARY VALUE PROBLEMS

**Differential games****USE GAME THEORY****DIFFERENTIAL GEOMETRY**

- UF Conservation laws (Mathematical)
- Exterior differential systems
- Spinor connection

**DIFFRACTION**

- BT OPTICAL PROPERTIES
- RT DISTORTION
- FOCUSING
- LIGHT TRANSMISSION
- REFLECTION
- REFRACTION

**DIFFRACTION ANALYSIS**

- NT X-RAY DIFFRACTION ANALYSIS

**DIFFRACTION GRATINGS**

- UF Gratings (Optics)
- Planar gratings

**BT OPTICAL EQUIPMENT****COMPONENTS****DIFFUSERS**

- UF Supercharger diffusers
- NT EXHAUST DIFFUSERS
- SUPERSONIC DIFFUSERS
- RT GAS TURBINE NOZZLES
- NOZZLES
- WIND TUNNEL NOZZLES

**DIFFUSION**

- RT SCATTERING
- TRANSPORT PROPERTIES

**Digestive system****USE GASTROINTESTINAL SYSTEM****DIGITAL COMPUTERS**

- BT COMPUTERS
- RT ANALOG COMPUTERS
- ANALOG-DIGITAL COMPUTERS
- ELECTRONIC ACCOUNTING MACHINES
- PROGRAMMING (COMPUTERS)
- SPECIAL PURPOSE COMPUTERS

**DIGITAL RECORDING SYSTEMS**

- BT RECORDING DEVICES
- RT ELECTRONIC RECORDING SYSTEMS

**DIGITAL SYSTEMS****RT ANALOG SYSTEMS****DIGITAL-TO-ANALOG CONVERTERS**

- BT INPUT-OUTPUT DEVICES
- RT ANALOG-TO-DIGITAL CONVERTERS

**DIMENSIONS**

- UF Height
- Length
- Width

**DIODES**

- NT DIODES (ELECTRON TUBES)
- DIODES (SEMICONDUCTOR)
- TUNNEL DIODES
- VARACTOR DIODES
- RT ELECTRON TUBE PARTS
- ELECTRON TUBES
- SEMICONDUCTOR DEVICES

**DIODES (ELECTRON TUBES)**

- UF Double diodes
- Twin diodes (Electron tubes)
- BT DIODES
- ELECTRON TUBES

**DIODES (SEMICONDUCTOR)**

- UF Twin diodes (Semiconductor)
- BT DIODES

**DIODES**

- NT CRYSTAL MIXERS
- TUNNEL DIODES
- VARACTOR DIODES
- RT CRYSTAL RECTIFIERS
- ELECTRON TUBES
- PHOTOELECTRIC CELLS (SEMICONDUCTOR)
- TRANSISTORS

**DIODES (SEMICONDUCTORS)****BT SEMICONDUCTOR DEVICES****Diploimeters****USE OPHTHALMOLOGY****DIOXIDES**

- BT OXIDES
- NT CARBON DIOXIDE
- MONOXIDES
- OXYGEN

**Dipodomys****USE RODENTS****DIPLOLE ANTENNAS**

- BT ANTENNA CONFIGURATIONS
- ANTENNAS

**Dirac delta functions****USE SPECIAL FUNCTIONS (MATHEMATICAL)****DIRECT CURRENT**

- BT ELECTRIC CURRENTS
- ELECTRICITY

**Direction finders****USE DIRECTION FINDING****DIRECTION FINDING**

(The determination of the direction from which a signal originates. Also, the relative position of, or direction taken by, an aircraft, bomb, etc., with respect to a point and line reference in a horizontal plane.)

- UF Bearing finding
- Direction finders
- Direction finding antennas
- Heading
- Infrared bearing finders
- Infrared direction finders
- Radio direction finding

- NT DIRECTION FINDING SIGNALS
- DIRECTION FINDING STATIONS
- RT ATTITUDE INDICATORS
- COMPASSES
- PLAN POSITION INDICATORS
- POSITION FINDING
- POSITION FINDING INSTRUMENTS
- RADIO COMPASSES
- RANGES (DISTANCE)
- SEXTANTS

**Direction finding antennas**

- USE Antennas and DIRECTION FINDING
- DIRECTION FINDING SIGNALS
- BT DIRECTION FINDING SIGNALS
- RT REACONS
- POSITION FINDING
- RANGES (DISTANCE)

**DIRECTION FINDING STATIONS**

- BT DIRECTION FINDING
- RT DETECTION
- POSITION FINDING

**RANGES (DISTANCE)****TRACKING****DIRECTORIES**

- RT CATALOGS
- LIBRARIES
- MILITARY PUBLICATIONS

**Dirichlet difference problem****USE DIFFERENCE EQUATIONS****Dirichlet series****USE SERIES****Dirigibles****USE AIRSHIPS****DISASTERS**

- RT ACCIDENTS
- CASUALTIES
- EXPLOSIONS
- FIRES
- FLOODS
- HAZARDS
- SURVIVAL

**DISCHARGE TUBES**

- BT ELECTRON TUBES
- COLD CATHODE TUBES
- VOLTAGE REGULATORS

**DISCONNECT FITTINGS**

- BT FITTINGS
- RT COUPLINGS
- HOSE FITTINGS
- HYDRAULIC COUPLINGS

**Discrete harmonic functions****USE FUNCTIONS****Discriminants****USE ALGEBRA****DISCRIMINATORS**

(Devices in which the magnitude and polarity of the output voltage depend on the difference between the input signal and either a standard or another signal.)

**RT PULSE HEIGHT ANALYZERS****DISEASES**

(Specific diseases are indexed by the descriptor DISEASES and the descriptor representing the etiologic agent. If no causative organism is known, the descriptor representing the organ affected is used in addition to the descriptor DISEASES.)

- UF Bronchiectasis
- Cerebrovascular disease
- Muscular atrophy
- Otitis
- Respiratory diseases

**NT ATHEROSCLEROSIS****BLOOD DISORDERS**

- INFECTIONS
- METABOLISM DISORDERS
- RT DIAGNOSIS
- ETIOLOGY

**DISKS**

- BT BODIES OF REVOLUTION
- GEOMETRIC FORMS
- RT RINGS

**DISPERSION HARDENING**

- UF Precipitation hardening
- BT HARDENING

**DISPLAY SYSTEMS**

- UF Distance-to-go-markers
- Radar display systems
- NT PLAN POSITION INDICATORS
- STEREOSCOPIC DISPLAY SYSTEMS
- TELEVISION DISPLAY SYSTEMS
- RT CATHODE RAY TUBE SCREENS
- COMMUNICATION EQUIPMENT
- IMAGES
- PHOTOCHROMISM
- RADAR EQUIPMENT
- RADAR IMAGES
- VIEWING SCREENS

**DISPOSAL****DISTANCE MEASURING EQUIPMENT****UF DME****Distance-to-go-markers****USE Display systems and RUNWAYS****Distant field****USE FAR FIELD****DISTILLATION**

- UF Fractionation
- BT PURIFICATION

**DISTORTION**

(Changes in the shapes of images)

**BT OPTICAL PROPERTIES**

**DISTORTION (Con.)**

RT DIFFRACTION  
FOCUSING  
ILLUMINATION  
LIGHT TRANSMISSION  
REFLECTION  
REFRACTION

**DISTRESS SIGNALS**

BT SIGNALS

**Distribution**

USE FUNCTIONAL ANALYSIS

**DISTRIBUTION (ECONOMICS)**

NT INDUSTRIAL PROCUREMENT

INDUSTRIAL PROCUREMENT

RT COMMERCE

COSTS

INDUSTRIAL PRODUCTION

**Distribution functions**

USE STATISTICAL FUNCTIONS

**DISTRIBUTION THEORY**

UF Minkusinski's theory

Schwartz's theory

**Distribution-free tests**

USE STATISTICAL TESTS

**DITCHING**

RT ABANDONMENT

AVIATION ACCIDENTS

BALLOUT

SEA RESCUES

**DIURETICS**

UF Aldosterone antagonists

Thiazide diuretics

RT DRUGS

**DIURNAL VARIATIONS**

BT PERIODIC VARIATIONS

RT SEASONAL VARIATION

**Dive flaps**

USE AIR BRAKE FLAPS

**Divergent integrals**

USE INTEGRALS

**DIVERSITY RADAR**

(Radar that uses two or more transmitters and receivers, each pair operating at a slightly different frequency, and video display.)

BT RADAR

**DIVERSITY RECEPTION**

(Radio reception in which the effects of fading are minimized by combining two or more sources of signal energy carrying the same modulation.)

BT RADIO RECEPTION

**Divided differences**

USE NUMERICAL ANALYSIS

**Dizziness**

USE VERTIGO

**DME**

USE DISTANCE MEASURING

EQUIPMENT

**Doctors**

USE MEDICAL PERSONNEL

**DOCUMENTATION**

NT ABSTRACTS

BIBLIOGRAPHIES

CATALOGS

CLASSIFICATION

INDEXES

RECORDS

REPORTS

SUBJECT INDEXING

RT INFORMATION RETRIEVAL

LIBRARIES

MACHINE TRANSLATION

REVIEWS

VOCABULARY

**Doebelin's theory**

USE PROBABILITY

**DOGS**

BT ANIMALS

MAMMALS

**DOMESTIC**

**DOPPLER EFFECT**

UF Doppler shift

**DOPPLER NAVIGATION**

BT NAVIGATION

RT DOPPLER RADAR

DOPPLER SYSTEMS

RADAR NAVIGATION

RADIO NAVIGATION

**DOPPLER RADAR**

BT RADAR

RT DOPPLER NAVIGATION

**Doppler shift**

USE DOPPLER EFFECT

**DOPPLER SYSTEMS**

UF Doppler tracking systems

RT DOPPLER NAVIGATION

RANGE FINDING

RANGES (DISTANCE)

SOUND RANGING

**Doppler tracking systems**

USE DOPPLER SYSTEMS

and TRACKING

**DOSAGE**

(The amount of therapeutic or toxic agent to which an organism is exposed. For exposure to nuclear radiation, see RADIOLOGICAL DOSAGE.)

UF Dosage determination

LETHAL DOSAGE

RT DRUGS

TOXIC TOLERANCES

**Dosage determination**

USE DOSAGE

**DOSE RATE**

(Radiological dosage delivered per unit time.)

BT RADIATION HAZARDS

RADIOLOGICAL DOSAGE

DOSIMETERS

RADIOACTIVE WASTE

RADIOLOGICAL CONTAMINATION

**DOSIMETERS**

(Instruments that measure radiological dosage.)

UF Film badges

BT METERS

RT CONTAMINATION

DOSE RATE

RADIATION EFFECTS

RADIATION HAZARDS

RADIATION MONITORS

RADIOLOGICAL DOSAGE

**Double diodes**

USE DIODES (ELECTRON TUBES)

**Downdrafts**

USE CONVECTION

**DOWNWASH**

BT FLUID DYNAMIC PROPERTIES

RT GROUND EFFECT

LIFT

SLIPSTREAM

THRUST

WAKE

**DRAG**

UF Area rule

BT AERODYNAMIC FORCES

FLUID DYNAMIC PROPERTIES

RT ANGLE OF ATTACK

AREA SUCTION

BOUNDARY LAYER

BOUNDARY LAYER CONTROL

BOUNDARY LAYER TRANSITION

LIFT

THRUST

TURBULENCE

WAKE

**DRAG PARACHUTES**

BT PARACHUTES

RT BRAKES

TOWED BODIES

**DRAINAGE**

BT HYDROLOGY

RT EROSION

**DRAWING (MACHINE PROCESSING)**

BT MATERIAL FORMING

**DRIERS (APPARATUS)**

UF Dehumidifiers

Desiccators

Dryers

Drying ovens

**DRIFT**

**Drift signals**

USE SIGNALS

**DRIFTMETERS**

BT COURSE INDICATORS

**DRILLING MACHINES**

BT MACHINE TOOLS

RT INDUSTRIAL EQUIPMENT

MACHINES

SMALL TOOLS

**DRILLS**

UF Augers

Drive chains

USE DRIVES

**DRIVE SHAFTS**

BT SHAFTS

**RT TRANSMISSIONS**

**DRIVES**

(Devices that permit the application of power from motors to controlled movement of driven elements in a system.)

UF Camshaft drives

Constant-speed drives

Drive chains

NT ELECTROMAGNETIC DRIVES

MAGNETIC DRIVES

**Drives (Psychology)**

USE MOTIVATION

**Drugs**

USE TOWED BODIES

**DRONES**

UF Amphibious drones

Pilotless aircraft

Ship drones

BT AIRCRAFT

NT TARGET DRONES

RT AERIAL TARGETS

TEST VEHICLES

**Drooped ailerons**

USE AILERONS

**DROPS**

BT FLUIDS

PARTICLES

RT LIQUIDS

SPRAYS

**DRUGS**

BT PHARMACOLOGY

RT ALKALOIDS

ANTIBIOTICS

ANTIEMETICS

ANTIMISTAMINICS

ANTIMOTION SICKNESS AGENTS

AUTONOMIC AGENTS

CARDIOACTIVE AGENTS

CHEMOTHERAPEUTIC AGENTS

CNS DEPRESSANTS

CNS STIMULANTS

CORTICOSTEROID AGENTS

DIURETICS

DOSAGE

HORMONES

PSYCHOTROPIC AGENTS

RADIOACTIVE ISOTOPES

RADIOPROTECTIVE AGENTS

VASOACTIVE AGENTS

**Dryers**

USE DRIERS (APPARATUS)

**Dryers (Chemical)**

USE DESICCANTS

**Drying agents**

USE DESICCANTS

**Drying ovens**

USE DRIERS (APPARATUS)

**DUAL-ROTATION PROPELLERS**

RT PROPELLERS (AERIAL)

TAIL HELICOPTER ROTORS

**DUCT INLETS**

UF Scoops (Aerodynamics)

BT DUCTS

RT AERODYNAMIC SLOTS

DUCTED BODIES

INLET GUIDE VANES

JET ENGINE INLETS

ORIFICES

WING INLETS

**DUCTED BODIES**

RT AERODYNAMIC CONFIGURATIONS

AERODYNAMIC SLOTS

DUCT INLETS

DUCTS

INLET GUIDE VANES

ORIFICES

WIND TUNNEL MODELS

**DUCTED FANS**

UF Tilt propellers

BT FANS

RT AXIAL-FLOW FANS

SHROUDED PROPELLERS

TURBOFAN ENGINES

**Ducted propellers (Ext. shroud)**

USE SHROUDED PROPELLERS

**DUCTED PROPELLERS (INTERNAL DUCTING)**

USE JET HELICOPTOR ROTORS

**DUCTILITY**

BT MECHANICAL PROPERTIES

RT CREEP

PLASTICITY

**Ductless glands**

USE ENDOCRINE GLANDS

**DUCTS**

NT DUCT INLETS

RT AERODYNAMIC SLOTS

DUCTED BODIES

ORIFICES

**Duffing type nonlinear wave equation**

USE NONLINEAR DIFFERENTIAL

EQUATIONS

**Duffing equation**

USE NONLINEAR DIFFERENTIAL

EQUATIONS

**Duodenum**

USE INTESTINES

**DYES**

UF Sulfur dyes

**DYNAMICAL SYSTEMS (TRANSFORMATIONS)**

USE TOPOLOGY

**DYNAMICS**

UF Kinetics

BT MECHANICS

NT AERODYNAMICS

HYDRODYNAMICS

RT FLUID MECHANICS

QUANTUM MECHANICS



# EDUCATION

# THESAURUS OF FAA DESCRIPTORS

## EDUCATION

UF Literacy  
Literacy  
Teaching  
RT INSTRUCTORS  
READING  
STUDENTS  
*Educators*  
USE JET PUMPS  
**EFFECTIVENESS**  
*Eigen vectors*  
USE MATRIX ALGEBRA  
*Eigen-functions*  
USE FUNCTIONS  
*Eigenfunction series*  
USE SERIES  
*Eisenstein series*  
USE SERIES  
**EJECTION**  
RT JET PUMPS  
**EJECTION SEATS**  
BT AIRCRAFT EQUIPMENT  
AIRCRAFT SEATS  
JETTISONABLE EQUIPMENT  
RT JETTISONABLE COCKPITS  
PILOT SEATS  
*Ejector cartridges*  
USE CARTRIDGES (PAD)  
*Ejectors (Fluid)*  
USE JET PUMPS  
**ELASTIC SHELLS**  
BT STRUCTURAL SHELLS  
*Elastic waves*  
USE MECHANICAL WAVES  
**ELASTICITY**  
BT MECHANICAL PROPERTIES  
NT AEROELASTICITY  
AEROTHERMOELASTICITY  
PHOTOELASTICITY  
RT DEFORMATION  
PLASTICITY  
STRESSES  
TENSILE PROPERTIES  
VISCOELASTICITY  
**ELASTOMERS**  
NT RUBBER  
SYNTHETIC RUBBER  
RT PLASTICS  
**ELECTRIC ARCS**  
BT ELECTRIC DISCHARGES  
RT SPARKS  
**ELECTRIC BRIDGES**  
NT IMPEDANCE BRIDGES  
**ELECTRIC CABLES**  
UF Audiofrequency cables  
Cables (Electrical)  
Power distribution cables  
Stranded conductors  
NT COAXIAL CABLES  
RT ELECTRIC INSULATION  
ELECTRIC WIRE  
FIELD WIRE  
TRANSMISSION LINES  
WIRE  
*Electric clocks*  
USE CLOCKS  
**ELECTRIC CONNECTORS**  
UF Jacks (Electricity)  
Plugs (Electricity)  
RT ELECTRIC WIRE  
FITTINGS  
*Electric cord*  
USE ELECTRIC WIRE  
**ELECTRIC CURRENTS**  
UF Currents (Electrical)  
BT ELECTRICITY  
NT ALTERNATING CURRENT  
DIRECT CURRENT  
SPARKS  
RT LIGHTNING  
**ELECTRIC DISCHARGES**  
BT ELECTRICITY  
NT ELECTRICAL ARCS  
ELECTRICAL CORONA  
GAS DISCHARGES  
GLOW DISCHARGES  
LIGHTNING  
SPARKS  
RT VAN DE GRAFF GENERATORS  
**ELECTRIC FIELDS**  
NT ELECTROSTATIC FIELDS  
RT ELECTROMAGNETIC FIELDS  
ELECTROSTATICS  
FIELD EMISSION

## ELECTRIC FILTERS

BT FILTERS (ELECTROMAGNETIC  
WAVE)  
NT MATCHED FILTERS  
RT ELECTRICAL NETWORKS  
**ELECTRIC INSULATION**  
UF Insulation (Electric)  
Insulators (Electric)  
RT ASBESTOS  
DIELECTRIC PROPERTIES  
DIELECTRICS  
ELECTRIC CABLES  
RESISTANCE (ELECTRICAL)  
**ELECTRIC MOMENTS**  
BT POLARIZATION  
RT MAGNETIC MOMENTS  
MOMENTS  
**ELECTRIC MOTORS**  
RT GENERATORS  
POWER EQUIPMENT PARTS  
**ELECTRIC POTENTIAL**  
UF Potential (Electric)  
Voltage  
Voltage changes  
**ELECTRIC POWER PRODUCTION**  
BT POWER EQUIPMENT  
RT ELECTROMAGNETS  
GENERATORS  
MOTOR GENERATORS  
NUCLEAR POWER PLANTS  
PERMANENT MAGNET  
GENERATORS  
POWER SUPPLIES  
POWER TRANSFORMERS  
SOLAR PANELS  
**ELECTRIC PROPULSION**  
BT PROPULSION  
RT ROCKET PROPULSION  
**ELECTRIC RELAYS**  
BT RELAYS  
RT ELECTRIC SWITCHES  
ELECTRONIC RELAYS  
**ELECTRIC SWITCHES**  
UF Knife switches  
NT CHANNEL SELECTORS  
CIRCUIT BREAKERS  
ROTARY SWITCHES  
THERMAL SWITCHES  
TOGGLE SWITCHES  
TRANSFER SWITCHES  
RT ELECTRIC RELAYS  
ELECTRONIC SWITCHES  
MAGNETIC CORES  
RELAYS  
SOLENOIDS  
SWITCHING CIRCUITS  
**ELECTRIC WIRE**  
(Single, unstranded conductors only.  
For stranded and multiple  
conductors in bundles, use  
ELECTRIC CABLES.)  
UF Electric cord  
BT WIRE  
RT COAXIAL CABLES  
ELECTRIC CABLES  
ELECTRIC CONNECTORS  
FIELD WIRE  
TRANSMISSION LINES  
**ELECTRICAL CONDUCTANCE**  
UF Conductivity (Electrical)  
BT CONDUCTIVITY  
ELECTRICAL PROPERTIES  
PHOTOCONDUCTIVITY  
SUPERCONDUCTIVITY  
RT RESISTANCE (ELECTRICAL)  
SEMICONDUCTORS  
**ELECTRICAL CORONA**  
UF Point discharge  
BT ELECTRIC DISCHARGES  
ELECTRICITY  
GLOW DISCHARGES  
RT GAS DISCHARGES  
*Electrical de-icing*  
USE DE-ICING SYSTEMS  
*Electrical effects*  
USE ELECTRICAL PROPERTIES  
**ELECTRICAL ENGINEERING**  
BT ENGINEERING  
RT ELECTRONICS  
**ELECTRICAL EQUIPMENT**  
NT BATTERIES & COMPONENTS  
MINIATURE ELECTRICAL  
EQUIPMENT  
RT ELECTRONIC EQUIPMENT  
MEASURING DEVICES (ELEC AND  
ELECTR)

## ELECTRICAL IMPEDANCE

UF Impedance (Electrical)  
BT ELECTRICAL PROPERTIES  
RT DIELECTRIC PROPERTIES  
IMPEDANCE MATCHING  
**ELECTRICAL NETWORKS**  
BT NETWORKS  
RT ELECTRIC FILTERS  
TRANSMISSION LINES  
**ELECTRICAL PROPERTIES**  
(Effects produced in equipment or  
materials by electric currents or  
fields. Also, the reactions of  
equipment and materials to electric  
currents and fields.)  
UF Electrical effects  
NT CAPACITANCE  
DIELECTRIC PROPERTIES  
ELECTRICAL CONDUCTANCE  
ELECTRICAL IMPEDANCE  
ELECTROSTRICTION  
HALL EFFECT  
PHOTOCONDUCTIVITY  
PIEZOELECTRIC EFFECT  
RESISTANCE (ELECTRICAL)  
SUPERCONDUCTIVITY  
HYSTERESIS  
**ELECTRICAL SYSTEMS**  
USE AIRCRAFT SYSTEMS  
**ELECTRICITY**  
NT ALTERNATING CURRENT  
ATMOSPHERIC ELECTRICITY  
ATMOSPHERICS  
DIRECT CURRENT  
ELECTRIC CURRENTS  
ELECTRIC DISCHARGES  
ELECTRICAL CORONA  
FERROELECTRICITY  
IONIC CURRENT  
LIGHTNING  
SPARKS  
STATIC ELECTRICITY  
THERMOELECTRICITY  
RT ELECTROMAGNETISM  
GAS DISCHARGES  
GLOW DISCHARGES  
**ELECTROACOUSTIC  
TRANSDUCERS**  
UF Electrostatic transducers  
BT ACOUSTIC EQUIPMENT  
TRANSDUCERS  
NT MICROPHONES  
RT SOUND GENERATORS  
**ELECTROCARDIOGRAPHY**  
UF Vector electrocardiography  
BT CARDIOGRAPHY  
RT BALLISTOCARDIOGRAPHY  
DIAGNOSIS  
HEART  
**ELECTROCHEMISTRY**  
BT CHEMISTRY  
PHYSICAL CHEMISTRY  
*Electrochromatography*  
USE CHROMATOGRAPHIC ANALYSIS  
*Electrocortin*  
USE CORTICOSTEROID AGENTS  
**ELECTRODES**  
UF Gas electrodes  
NT ANODES  
ANODES (ELECTROLYTIC CELL)  
CATHODES  
CATHODES (ELECTRON TUBES)  
**ELECTROENCEPHALOGRAPHY**  
UF Corticograms  
RT BRAIN  
DIAGNOSIS  
**ELECTROLUMINESCENCE**  
BT LUMINESCENCE  
RT PHOSPHORUS  
SEMICONDUCTORS  
**ELECTROLYSIS**  
BT CHEMICAL REACTIONS  
DECOMPOSITION  
**ELECTROLYTES**  
RT BATTERIES & COMPONENTS  
**ELECTROLYTES (PHYSIOLOGY)**  
RT BODY FLUIDS  
**ELECTROLYTIC CAPACITORS**  
BT CAPACITORS  
RT VARIABLE CAPACITORS  
**ELECTROLYTIC POLISHING**  
UF Electropolishing  
BT FINISHES & FINISHING  
*Electromagnetic absorption*  
USE ATTENUATION

## ELECTROMAGNETIC AMPLIFIERS

RT OSCILLATORS  
*Electromagnetic clutches*  
USE ELECTROMAGNETIC DRIVES  
**ELECTROMAGNETIC DRIVES**  
UF Electromagnetic clutches  
BT DRIVES  
MAGNETIC DRIVES  
*Electromagnetic effects*  
USE ELECTROMAGNETIC PROPERTIES  
*Electromagnetic factors*  
USE ELECTROMAGNETIC PROPERTIES  
**ELECTROMAGNETIC FIELDS**  
BT ELECTROMAGNETIC WAVES  
MAGNETIC FIELDS  
NT RADIO FIELDS  
RT ELECTRIC FIELDS  
ELECTROMAGNETISM  
**ELECTROMAGNETIC LENSES**  
UF Radiofrequency lenses  
BT LENSES  
RT ANTENNA RADIATION PATTERNS  
ELECTRON LENSES  
OPTICAL FILTERS  
**ELECTROMAGNETIC PROPERTIES**  
(Response of equipment or materials to  
an electromagnetic field. Also, the  
ability of equipment or materials to  
produce electromagnetic fields.)  
UF Electromagnetic effects  
Electromagnetic factors  
Reluctance  
NT HALL EFFECT  
RT ELECTROMAGNETIC SHIELDING  
ELECTROMAGNETISM  
THERMOELECTRICITY  
**ELECTROMAGNETIC PULSES**  
UF Pulses (Electromagnetic)  
BT ELECTROMAGNETIC WAVES  
NT LIGHT PULSES  
RADAR PULSES  
RADIOFREQUENCY PULSES  
**ELECTROMAGNETIC PUMPS**  
BT PUMPS  
RT LIQUID METAL PUMPS  
**ELECTROMAGNETIC SHIELDING**  
RT ELECTROMAGNETIC PROPERTIES  
ELECTROMAGNETISM  
SHIELDING  
SUPPRESSORS  
*Electromagnetic theory*  
USE ELECTROMAGNETISM  
**ELECTROMAGNETIC WARFARE**  
BT WARFARE  
NT ELECTRONIC  
COUNTERMEASURES  
RADAR ANTIJAMMING  
RADAR DECEPTION  
RADAR INTERCEPTION  
RADAR JAMMING  
RADIO JAMMING  
**ELECTROMAGNETIC WAVE  
REFLECTIONS**  
BT ELECTROMAGNETIC WAVES  
NT RADAR REFLECTIONS  
RT OPTICS  
REFLECTION  
**ELECTROMAGNETIC WAVES**  
UF Radiation (Electromagnetic)  
Waves (Electromagnetic)  
NT BEAMS (ELECTROMAGNETIC)  
BLACKBODY RADIATION  
CERENKOV RADIATION  
ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC PULSES  
ELECTROMAGNETIC WAVE  
REFLECTIONS  
GAMMA RAYS  
INFRARED RADIATION  
LIGHT  
LIGHT PULSES  
MICROWAVES  
MILLIMETER WAVES  
MONOCHROMATIC LIGHT  
RADAR PULSES  
RADAR SIGNALS  
RADIO BEAMS  
RADIO FIELDS  
RADIO SIGNALS  
RADIO WAVES  
RADIOFREQUENCY PULSES  
ULTRAVIOLET RADIATION  
X RAYS  
RT ANGLE OF ARRIVAL  
FREQUENCY  
MAGNETOHYDRODYNAMICS

**ELECTROMAGNETIC WAVES (Con.)**

MECHANICAL WAVES  
RADIO TRANSMISSION  
**ELECTROMAGNETISM**  
UF Electromagnetic theory  
RT ELECTRICITY  
ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC PROPERTIES  
ELECTROMAGNETIC SHIELDING  
MAGNETISM  
MAGNETS

**ELECTROMAGNETS**

BT MAGNETS  
RT COILS  
ELECTRIC POWER PRODUCTION  
GENERATORS  
POWER EQUIPMENT  
POWER EQUIPMENT PARTS  
POWER SUPPLIES  
POWER TRANSFORMERS

**Electromechanical actuators**

USE SYNCHROS

**ELECTROMECHANICAL CONVERTERS**

(Devices that convert electrical to mechanical energy.)

**ELECTROMETERS**

**ELECTRON BEAMS**

**ELECTRON BOMBARDMENT**  
RT SECONDARY EMISSION

**Electron charge**

USE ELECTRONS

**ELECTRON DENSITY**

**ELECTRON GUNS**

BT ELECTRON TUBE PARTS  
RT CATHODE RAY TUBES  
ELECTRON TUBES

**ELECTRON LENSES**

BT LENSES  
RT ELECTROMAGNETIC LENSES

**Electron mass**

USE ELECTRONS

**ELECTRON MICROSCOPY**

BT MICROSCOPY  
RT ELECTRON OPTICS  
SPECTROSCOPY

**ELECTRON OPTICS**

BT OPTICS  
RT ELECTRON MICROSCOPY

**Electron tube oscillators**

USE OSCILLATORS

**ELECTRON TUBE PARTS**

NT CATHODE RAY TUBE SCREENS  
CATHODES (ELECTRON TUBES)  
ELECTRON GUNS  
OXIDE CATHODES  
RT DIODES  
OSCILLATORS  
SEMICONDUCTOR DEVICES

**ELECTRON TUBES**

NT BACKWARD-WAVE TUBES  
CAMERA TUBES  
CATHODE RAY TUBES  
CESIUM ELECTRON TUBES  
COLD CATHODE TUBES  
COLOR TELEVISION TUBES  
DIODES (ELECTRON TUBES)  
DISCHARGE TUBES  
ICONOSCOPES  
IMAGE TUBES  
KLYSTRONS  
MAGNETRONS  
PENTODES  
PHOTOMULTIPLIERS  
PHOTOTUBES  
STORAGE TUBES  
TETRODES  
TRAVELING-WAVE TUBES  
TRIODES

RT CRYSTAL OSCILLATORS  
DIODES  
DIODES (SEMICONDUCTOR)  
ELECTRON GUNS  
ELECTRONIC EQUIPMENT  
MODULATORS  
OSCILLATORS  
OXIDE CATHODES  
RELAXATION OSCILLATORS  
RESONATORS  
SEMICONDUCTOR DEVICES  
TEST EQUIPMENT  
(ELECTRONICS)  
TRANSISTORS

**ELECTRONIC ACCOUNTING MACHINES**

RT COMPUTERS

DATA PROCESSING SYSTEMS  
DATA TRANSMISSION SYSTEMS  
DIGITAL COMPUTERS  
INFORMATION RETRIEVAL  
PUNCHED CARDS

**ELECTRONIC**

**COUNTERMEASURES**

BT ELECTROMAGNETIC WARFARE

**ELECTRONIC EQUIPMENT**

UF Electronic recognition systems  
NT ELECTRONIC RECORDING SYSTEMS  
MINIATURE ELECTRONIC EQUIPMENT  
SUBMINIATURE ELECTRONIC EQUIPMENT  
RT ELECTRICAL EQUIPMENT  
ELECTRON TUBES  
MICROMINIATURIZATION (ELECTRONICS)  
MODULES (ELECTRONIC)  
MOLECULAR ELECTRONICS

**Electronic intelligence**

USE RADAR INTERCEPTION

**Electronic recognition systems**

USE ELECTRONIC EQUIPMENT  
and IDENTIFICATION SYSTEMS

**ELECTRONIC RECORDING SYSTEMS**

BT ELECTRONIC EQUIPMENT  
RECORDING SYSTEMS  
NT SOUND REPRODUCTION SYSTEMS  
RT DIGITAL RECORDING SYSTEMS  
RECORDING DEVICES

**ELECTRONIC RELAYS**

BT ELECTRONIC SWITCHES  
RELAYS

**ELECTRONIC SCANNERS**

BT SCANNING  
RT OPTICAL SCANNING  
RADAR SCANNING  
RADIO SCANNING

**ELECTRONIC SWITCHES**

NT ELECTRONIC RELAYS  
RT ELECTRIC SWITCHES  
SWITCHING CIRCUITS  
TEST EQUIPMENT  
(ELECTRONICS)

**ELECTRONICS**

BT SCIENTIFIC RESEARCH  
RT ELECTRICAL ENGINEERING  
PHYSICS

**ELECTRONS**

UF Electron charge  
Electron mass  
BT CHARGED PARTICLES  
ELEMENTARY PARTICLES  
NUCLEONS  
RT COSMIC RAYS

**ELECTROOPTICAL PHOTOGRAPHY**

BT PHOTOGRAPHY

**ELECTROPHORESIS**

UF Cataphoresis  
RT COLLOIDS

**ELECTROPHOTOGRAPHY**

UF Xerography  
BT PHOTOGRAPHY

**Electropolishing**

USE ELECTROLYTIC POLISHING

**ELECTROSCOPES**

**ELECTROSTATIC FIELDS**

BT ELECTRIC FIELDS  
RT ELECTROSTATICS

**ELECTROSTATIC GENERATORS**

NT VAN DE GRAAFF GENERATORS

**ELECTROSTATIC PRECIPITATION**

UF Electrostatic precipitators  
Precipitation (Electrostatic)  
**Electrostatic precipitators**  
USE ELECTROSTATIC PRECIPITATION

**Electrostatic transducers**

USE ELECTROACOUSTIC TRANSDUCERS

**ELECTROSTATICS**

RT CAPACITANCE  
ELECTRIC FIELDS  
ELECTROSTATIC FIELDS  
STATIC ELECTRICITY

**ELECTROSTRICTION**

BT ELECTRICAL PROPERTIES  
RT MAGNETOSTRICTION  
MECHANICAL PROPERTIES

**PIEZOELECTRIC EFFECT**

**POLARIZATION**

**ELECTROTHERAPY**

(The therapeutic use of electricity.  
Excludes electric shock treatment.)

UF Diathermy  
Short wave therapy

BT THERAPY

**ELEMENTARY PARTICLES**

NT ELECTRONS  
FAST NEUTRONS  
NEUTRONS  
NUCLEONS  
PROTONS  
RT CHARGED PARTICLES  
COSMIC RAYS  
GAMMA RAYS  
PARTICLES

**ELEVATORS**

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
TRAILING CONTROL SURFACES  
RT AILERONS  
AIR BRAKE FLAPS  
SLOTTED FLAPS  
SPLIT FLAPS  
TRIM TABS

**ELLIPSOIDS**

BT BODIES OF REVOLUTION  
GEOMETRIC FORMS  
RT CURVED PROFILES  
MONOCOQUES  
OGIVES  
PARABOLIC BODIES

**Elliptic differential equations**

USE PARTIAL DIFFERENTIAL EQUATIONS

**Elliptic systems**

USE PARTIAL DIFFERENTIAL EQUATIONS

**Embedding theory**

USE ALGEBRA

**EMBRYOS**

UF Fetus  
Lithopedion  
RT PREGNANCY

**Emergency escape hatches**

USE HATCHES

**EMERGENCY PROCEDURES**

BT AVIATION SAFETY

**Emery**

USE CORUNDUM

**EMESIS**

UF Vomiting  
RT ANTIEMETICS

**EMISSIVITY**

(The ratio of the radiation emitted by a surface to the radiation emitted by a blackbody at the same temperature and under similar conditions.)

BT THERMAL RADIATION

RT BLACKBODY RADIATION  
HEAT TRANSFER  
INTENSITY

**EMOTIONS**

NT ANXIETY  
FEAR  
RT ABNORMAL PSYCHOLOGY  
BEHAVIOR  
PSYCHIATRY  
PSYCHOLOGY  
REACTION (PSYCHOLOGY)  
REASONING  
STRESS (PSYCHOLOGY)

**EMPLOYEE RELATIONS**

NT LABOR UNIONS  
RT INDUSTRIAL RELATIONS  
JOB ANALYSIS  
LABOR  
PERSONNEL MANAGEMENT

**Emulsions**

USE COLLOIDS

**Enamel coatings**

USE CERAMIC COATINGS

**Encyclopedias**

USE DICTIONARIES

**END ORGANS**

UF Neurotendinous spindles  
RT EAR  
EYE  
NOSE

**ENDOCRINE GLANDS**

UF Ductless glands  
BT GLANDS

NT ADRENAL GLANDS

THYROID GLAND

RT BODY

HORMONES

SEX GLANDS

**Endotoxins**

USE TOXINS AND ANTITOXINS

**Endurance limit (Mathematics)**

USE STATISTICAL ANALYSIS

**ENERGY**

RT POWER

**ENERGY CONVERSION**

RT FUEL CELLS  
HEAT EXCHANGERS  
PHOTOELECTRIC CELLS  
SOLAR CELLS

**ENERGY MANAGEMENT**

**ENGINE AIR SYSTEMS COMPONENTS**

RT AIR EJECTORS

FUEL FILTERS

FUEL SYSTEMS

**ENGINE FUEL SYSTEMS COMPONENTS**

NT FUEL FILTERS

FUEL GAGES

FUEL INJECTORS

FUEL METERS

RT ENGINE STRUCTURES

FUEL HOSE

FUEL PUMPS

FUEL SYSTEMS

FUEL TANKS

**ENGINE NACELLES**

BT NACELLES

NT JET ENGINE NACELLES

RT AIRCRAFT PROTUBERANCES

AIRFRAMES

**ENGINE NOISE**

BT NOISE

NT AIRPLANE ENGINE NOISE

HELICOPTER ENGINE NOISE

JET ENGINE NOISE

ROCKET MOTOR NOISE

**ENGINE STARTERS**

UF Airplane engine starters  
Gas turbine starters

Starter cartridges

BT ENGINE STRUCTURES

RT IGNITION SYSTEMS

STARTING

**ENGINE STRUCTURE**

NT PISTON RINGS

**ENGINE STRUCTURES**

NT ENGINE STARTERS

IGNITION SYSTEMS

PISTON RINGS

PISTONS

SHAFTS

RT ENGINE FUEL SYSTEMS

COMPONENTS

FUEL METERS

FUEL SYSTEMS

**ENGINE SURGE**

**ENGINEERING**

NT CIVIL ENGINEERING

ELECTRICAL ENGINEERING

ENGINEERING GEOLOGY

MINING ENGINEERING

SYSTEMS ENGINEERING

RT ARMED FORCES RESEARCH

HUMAN ENGINEERING

INDUSTRIAL RESEARCH

OPERATIONS RESEARCH

RESEARCH PROGRAM

ADMINISTRATION

SCIENTIFIC RESEARCH

**ENGINEERING GEOLOGY**

BT ENGINEERING

GEOLOGY

RT MINING ENGINEERING

**ENGINEERING PERSONNEL**

BT PROFESSIONAL PERSONNEL

RT AVIATION PERSONNEL

GOVERNMENT EMPLOYEES

INSTRUCTORS

MAINTENANCE PERSONNEL

MILITARY PERSONNEL

SCIENTIFIC PERSONNEL

**Enroute**

USE AIR ROUTES

**ENTEROBACTERIACEAE**

BT BACTERIA

NT KLEBSIELLA

**ENTHALPY**

BT THERMODYNAMICS

Entire functions

**ENTHALPY (Con.)**  
RT ENTROPY

**Entire functions**  
USE FUNCTIONS

**ENTROPY**  
BT THERMODYNAMICS  
RT ENTHALPY

**Entropy functions**  
USE FUNCTIONS

**Enumeration theory**  
USE COMBINATORIAL ANALYSIS

**ENVIRONMENTAL TESTS**  
BT TESTS  
NT COLD WEATHER TESTS  
TROPICAL TESTS

**ENZYMES**  
NT HYDROLASES  
OXIDOREDUCTASES  
PHOSPHORIC MONOESTER  
HYDROLASES  
PHOSPHORUS TRANSFERASES  
RT PROTEINS

**EOSINOPHILS**  
BT BLOOD  
BLOOD CELLS  
CELLS (BIOLOGY)  
LEUKOCYTES  
RT HEMATOLOGY  
HEMOPOIETIC SYSTEM  
LYMPHOCYTES  
RETICULOENDOTHELIAL SYSTEM

**EPIDEMIOLOGY**  
RT MEDICINE

**EPILEPSY**  
BT CONVULSIVE DISORDERS

**EPINEPHRINE**  
UF Adrenalin  
BT ADRENAL MEDULLA HORMONES  
AUTONOMIC AGENTS  
HORMONES  
SYMPATHOMIMETIC AGENTS  
RT LEVARTERENOL  
VASOACTIVE AGENTS

**EPITAXIAL GROWTH**  
BT CRYSTAL GROWTH

**EPOXY PLASTICS**  
UF Epoxy resins  
BT PLASTICS  
THERMOSETTING PLASTICS

**Epoxy resins**  
USE EPOXY PLASTICS

**EQUATIONS**  
UF Cubic equations  
Functional equations  
Linear equations  
Riemann functional equation  
Secular equations  
Sourian-Frame characteristic equation  
Transcendental equations

**EQUATIONS OF STATE**  
RT THERMODYNAMICS

**EQUATORIAL ORBIT TRAJECTORIES**  
BT ORBITAL TRAJECTORIES

**Equilibrators**  
USE STABILIZATION SYSTEMS

**Erbium compounds**  
USE RARE EARTH COMPOUNDS

**EROSION**  
(The carrying away of surface materials, as of the earth's crust by running water or rocket motor nozzles by exhaust flames. For deliberate permission of erosion to counteract heating, see ABLATION)  
RT ABLATION  
DRAINAGE  
HYDROLOGY

**Error functions**  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**ERRORS**

**ERYTHROCYTES**  
UF Megaloblasts  
Makulocytes  
BT BLOOD  
BLOOD CELLS  
CELLS (BIOLOGY)  
RT BLOOD COUNTS  
HEMATOLOGY  
HEMOGLOBIN  
HEMOPOIETIC SYSTEM  
RETICULOENDOTHELIAL SYSTEM

**Esaki diodes**  
USE TUNNEL DIODES

**Escape (Abandonment)**  
USE ABANDONMENT

**Escape hatches**  
USE HATCHES

**ESOPHAGUS**  
UF Gullet  
BT GASTROINTESTINAL SYSTEM  
RT THROAT

**Estimators variability**  
USE STATISTICAL ANALYSIS

**Ethnology**  
USE ANTHROPOLOGY

**ETIOLOGY**  
RT DIAGNOSIS  
DISEASES  
PATHOLOGY

**Euglenophyta**  
USE ALGAE

**EULER'S ANGLES**  
**Euler's equations**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Europium compounds**  
USE RARE EARTH COMPOUNDS

**EUTECTICS**  
BT MIXTURES  
RT ALLOYS  
SOLUTIONS

**EVAPORATION**  
(The change from the liquid or solid state to a gas. For the intentional production of vapor, see VAPORIZATION.)  
RT VAPORIZATION

**Exceedences**  
USE STATISTICAL ANALYSIS

**EXCITATION**  
USE STATISTICAL ANALYSIS

**EXCRETION**  
UF Oliguria  
RT PERSPIRATION

**EXERCISE**  
UF Gymnastics

**EXHAUST DIFFUSERS**  
BT DIFFUSERS  
EXHAUST SYSTEMS  
RT EXHAUST NOZZLES  
SUPERSONIC DIFFUSERS

**EXHAUST FAIRINGS**  
BT AERODYNAMIC CONFIGURATIONS  
FAIRINGS  
RT EXHAUST NOZZLES  
JET ENGINE FAIRINGS

**EXHAUST FLAMES**  
BT FLAMES  
RT EXHAUST GASES  
EXHAUST SYSTEMS

**EXHAUST GASES**  
BT COMBUSTION PRODUCTS  
RT COMBUSTION CHAMBER GASES  
COMBUSTION DEPOSITS  
EXHAUST FLAMES  
EXHAUST SYSTEMS

**Exhaust gases (Industrial waste)**  
USE WASTE GASES

**EXHAUST NOZZLES**  
(EXCLUDES ROCKET MOTOR NOZZLES.)  
BT EXHAUST SYSTEMS  
NOZZLES  
NT RAMJET ENGINE NOZZLES  
THRUST AUGMENTOR NOZZLES  
TURBOJET EXHAUST NOZZLES  
RT CONICAL NOZZLES  
EXHAUST DIFFUSERS  
EXHAUST FAIRINGS  
GAS TURBINE NOZZLES  
ROCKET MOTOR NOZZLES  
SUBSONIC NOZZLES

**EXHAUST SYSTEMS**  
NT EXHAUST DIFFUSERS  
EXHAUST NOZZLES  
RT EXHAUST FLAMES  
EXHAUST GASES  
GAS-GENERATING SYSTEMS

**Exhaust trails**  
USE CONDENSATION TRAILS

**Exotoxins**  
USE Toxins  
and TOXINS AND ANTITOXINS

**EXPANDED PLASTICS**  
UF Cellular plastics  
Foamed plastics  
Plastic foams  
Sponge plastics  
BT PLASTICS

RT ISOCYANATE PLASTICS

**Experimental animals**  
USE LABORATORY ANIMALS

**EXPERIMENTAL DATA**  
**Exploding bridgewires**  
USE EXPLODING WIRES

**EXPLODING WIRES**  
UF Exploding bridgewires  
BT EXPLOSIVE INITIATORS

**EXPLOSION EFFECTS**  
NT BLAST  
NUCLEAR EXPLOSION DAMAGE  
SHOCK WAVES  
RT DAMAGE  
EXPLOSIONS  
EXPLOSIVE DECOMPRESSION  
PENETRATION  
VULNERABILITY

**Explosion waves (Shock)**  
USE SHOCK WAVES

**EXPLOSIONS**  
NT DETONATIONS  
NUCLEAR EXPLOSIONS  
UNDERGROUND EXPLOSIONS  
RT ACCIDENTS  
DAMAGE  
DISASTERS  
EXPLOSION EFFECTS  
VULNERABILITY

**EXPLOSIVE ACTUATORS**  
(Devices that employ the energy supplied by the gases produced by explosions to accomplish or initiate mechanical actions, other than expelling projectiles.)  
UF Explosive bolts  
Release mechanisms (Pad)  
Removers (pad)  
Thrusters  
BT ACTUATORS  
RT CARTRIDGES (PAD)  
EXPLOSIVE INITIATORS

**Explosive bolts**  
USE EXPLOSIVE ACTUATORS

**EXPLOSIVE DECOMPRESSION**  
BT DECOMPRESSION  
RT DAMAGE  
DECOMPRESSION SICKNESS  
EXPLOSION EFFECTS

**EXPLOSIVE INITIATORS**  
UF Squibs  
BT FUZE FUNCTIONING ELEMENTS  
NT EXPLODING WIRES  
RT DETONATORS  
EXPLOSIVE ACTUATORS

**Exponential functions**  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**EXPOSURE**

**EXPOSURE SUITS**  
BT CLOTHING  
PROTECTIVE CLOTHING

**EXTENDABLE STRUCTURES**  
BT STRUCTURES  
RT INFLATABLE STRUCTURES

**EXTENSOMETERS**  
(Instruments for measuring minute deformations of test specimens under stress.)  
BT METERS  
RT DEFORMATION  
STRAIN GAGES  
STRESSES

**Exterior differential systems**  
USE DIFFERENTIAL GEOMETRY

**EXTERNAL STORES**  
UF Tip tanks  
Wing tip tanks  
BT JETTISONABLE EQUIPMENT  
RT FUEL TANKS

**Extrapolation of data**  
USE MATHEMATICAL PREDICTION

**Extraterrestrial life**  
USE SPACE BIOLOGY

**EXTREMELY HIGH FREQUENCY**  
(30,000 to 300,000 mc.)  
BT FREQUENCY  
MICROWAVE FREQUENCY  
RADIOFREQUENCY  
RT MILLIMETER WAVES

**EXTREMELY LOW FREQUENCY**  
(3 to 3,000 cps.)  
UF Superlow frequency  
Ultralow frequency  
BT FREQUENCY

**EXTREMITIES**  
UF Limbs  
BT BODY  
NT ARMS  
LEGS  
RT HEAD

**EXTRUSION**  
BT MATERIAL FORMING

**EYE**  
UF Choroid  
Crystalline lens  
Lens (Crystalline)  
Nystagmus  
Pupil  
NT CORNEA  
RETINA  
RT END ORGANS  
PHOTORECEPTORS  
VISION

**EYEGASSES**  
UF Contact lenses  
Glasses  
Goggles  
Protective spectacles  
Spectacle frames  
Sunglasses  
RT PROSTHETICS  
PROTECTIVE CLOTHING

F

**FAA**  
USE FEDERAL AVIATION AGENCY

**Fabrics**  
USE TEXTILES

**Face**  
USE HEAD

**Facsimile code generators**  
USE FACSIMILE EQUIPMENT

**FACSIMILE COMMUNICATION SYSTEMS**  
BT COMMUNICATION SYSTEMS  
NT FACSIMILE TRANSMISSION

**FACSIMILE EQUIPMENT**  
UF Facsimile code generators  
Facsimile receiver converters  
BT COMMUNICATION EQUIPMENT  
RT PHOTOGRAPHIC EQUIPMENT

**Facsimile receiver converters**  
USE FACSIMILE EQUIPMENT

**FACSIMILE TRANSMISSION**  
BT FACSIMILE COMMUNICATION SYSTEMS

**FACTOR ANALYSIS**  
UF Configurational scoring  
Principal component analysis  
Probit analysis  
Successive intervals method  
Thurstone successive intervals

**Factorial experiments**  
USE COMBINATORIAL ANALYSIS

**Fading**  
USE ATTENUATION

**FAIL-SAFE**  
(The precautions taken in equipment design to ensure that the possibility of vital failures is avoided.)  
BT AVIATION SAFETY  
RT MALFUNCTIONS

**Failure (Equipment)**  
USE MALFUNCTIONS

**FAILURE (MECHANICS)**  
BT MECHANICAL PROPERTIES  
NT FRACTURE (MECHANICS)  
RUPTURE  
RT BRITTLENESS  
DEGRADATION  
FATIGUE (MECHANICS)

**Fainting**  
USE SYNCOPE

**FAIRINGS**  
(Structures that provide smooth outlines, so as to reduce drag on aircraft or ships.)  
NT EXHAUST FAIRINGS  
JET ENGINE FAIRINGS  
SPINNERS  
RT AIRCRAFT EQUIPMENT  
JETTISONABLE EQUIPMENT

**FAIRINGS (Con.)**

LANDING GEAR  
LANDING GEAR DOORS  
LANDING LIGHTS

**FALLING BODIES**

RT PARACHUTE DESCENTS

**Fallout**

USE RADIOACTIVE FALLOUT

**FANS**

NT AXIAL-FLOW FANS  
DUCTED FANS  
RT COMPRESSORS  
TURBINES

**FAR FIELD**

UF Distant field

**Faraday effect**

USE MAGNETO-OPTIC EFFECT

**FAST NEUTRONS**

BT ELEMENTARY PARTICLES  
NEUTRONS

**FAST TIME**

RT COMPUTERS  
CONTROL SIMULATORS  
FLIGHT SIMULATORS

**FATIGUE (MECHANICS)**

BT MECHANICAL PROPERTIES  
NT SONIC FATIGUE  
RT FAILURE (MECHANICS)

**FATIGUE (PHYSIOLOGY)**

UF Mental fatigue

**FATTY ACIDS**

BT LIPIDS

**Fauces**

USE THROAT

**FEAR**

BT EMOTIONS  
RT ABNORMAL PSYCHOLOGY  
ANXIETY  
PSYCHIATRY  
PSYCHOLOGY

**FEASIBILITY STUDIES**

**FEDERAL AVIATION AGENCY**

UF FAA  
BT UNITED STATES GOVERNMENT

**FEDERAL BUDGETS**

BT BUDGETS  
RT ARMED FORCES BUDGETS

**Federal government**

USE UNITED STATES GOVERNMENT

**Federal supplies**

USE LOGISTICS

**FEEDBACK**

RT OSCILLATORS

**FEEDBACK AMPLIFIERS**

BT AMPLIFIERS

**Feedback oscillators**

USE OSCILLATORS

**Feet**

USE LEGS

**Ferric compounds**

USE IRON COMPOUNDS

**FERRITES**

UF Ferromagnets  
RT FERROMAGNETIC MATERIALS

**FERROELECTRIC CRYSTALS**

BT CRYSTALS  
FERROELECTRIC MATERIALS

**FERROELECTRIC MATERIALS**

NT FERROELECTRIC CRYSTALS  
RT CRYSTALS  
FERROELECTRICITY  
FERROMAGNETISM

**FERROELECTRICITY**

BT ELECTRICITY  
RT FERROELECTRIC MATERIALS  
PIEZOELECTRIC EFFECT  
POLARIZATION

**FERROMAGNETIC MATERIALS**

BT MAGNETIC MATERIALS  
RT FERRITES  
FERROMAGNETISM  
PARAMAGNETIC MATERIALS

**FERROMAGNETISM**

BT MAGNETISM  
RT ANTIFERROMAGNETISM  
FERROELECTRIC MATERIALS  
FERROMAGNETIC MATERIALS  
POLARIZATION

**FERROELECTRICITY**

BT ELECTRICITY  
RT FERROELECTRIC MATERIALS  
PIEZOELECTRIC EFFECT  
POLARIZATION

**FERROMAGNETIC MATERIALS**

BT MAGNETIC MATERIALS  
RT FERRITES  
FERROMAGNETISM  
PARAMAGNETIC MATERIALS

**FERROMAGNETISM**

BT MAGNETISM  
RT ANTIFERROMAGNETISM  
FERROELECTRIC MATERIALS  
FERROMAGNETIC MATERIALS  
POLARIZATION

**FERROELECTRICITY**

BT ELECTRICITY  
RT FERROELECTRIC MATERIALS  
PIEZOELECTRIC EFFECT  
POLARIZATION

**FERROMAGNETIC MATERIALS**

BT MAGNETIC MATERIALS  
RT FERRITES  
FERROMAGNETISM  
PARAMAGNETIC MATERIALS

**FERROMAGNETISM**

BT MAGNETISM  
RT ANTIFERROMAGNETISM  
FERROELECTRIC MATERIALS  
FERROMAGNETIC MATERIALS  
POLARIZATION

**FERROELECTRICITY**

BT ELECTRICITY  
RT FERROELECTRIC MATERIALS  
PIEZOELECTRIC EFFECT  
POLARIZATION

**FERROMAGNETIC MATERIALS**

BT MAGNETIC MATERIALS  
RT FERRITES  
FERROMAGNETISM  
PARAMAGNETIC MATERIALS

**FERROMAGNETISM**

BT MAGNETISM  
RT ANTIFERROMAGNETISM  
FERROELECTRIC MATERIALS  
FERROMAGNETIC MATERIALS  
POLARIZATION

**FEVERS**

UF Hyperpyrexia  
Hyperthermia  
Induced hyperthermia  
RT BODY TEMPERATURE

**FIBER OPTICS**

(The controlled transmission of light longitudinally through bundles of fibers.)

UF Fiberscopes  
Light pipes  
Optical bundles  
Optical fibers

**BT OPTICS**

RT LIGHT TRANSMISSION

**Fiberglass**

USE GLASS TEXTILES

**Fiberings**

USE ALGEBRAIC TOPOLOGY

**FIBERS**

UF Threads  
Yarn

NT ASBESTOS  
CERAMIC FIBERS  
FIBERS (SYNTHETIC)  
ORLON

RT COTTON TEXTILES  
GLASS TEXTILES  
TEXTILES

**FIBERS (SYNTHETIC)**

UF Plastic thread  
BT FIBERS  
NT CERAMIC FIBERS  
ORLON  
RT ASBESTOS  
NYLON  
TEXTILES

**Fiberscopes**

USE FIBER OPTICS

**Fibre bundles**

USE ALGEBRAIC TOPOLOGY

**Fibre systems**

USE ALGEBRAIC TOPOLOGY

**FIELD EMISSION**

RT ELECTRIC FIELDS  
SECONDARY EMISSION  
THERMIONIC EMISSION

**Field equation**

USE PARTIAL DIFFERENTIAL EQUATIONS

**FIELD THEORY**

UF Quantum electrodynamics  
Unified field theory

**FIELD WIRE**

RT ELECTRIC CABLES  
ELECTRIC WIRE

**FIELD WIRE COMMUNICATION SYSTEMS**

BT COMMUNICATION SYSTEMS  
RT TELEPHONE COMMUNICATION SYSTEMS

**FIGHTERS**

BT AIRCRAFT  
AIRPLANES  
NT JET FIGHTERS  
RT ATTACK BOMBERS

**FILAMENT WOUND CONSTRUCTION**

RT LAMINATED PLASTICS  
PRESSURE VESSELS  
REINFORCING MATERIALS  
STRUCTURAL PARTS

**Film badges**

USE DOSIMETERS

**FILM COOLING**

BT COOLING  
RT BOUNDARY LAYER

**FILM PROJECTORS**

UF Projectors (Film)  
BT PHOTOGRAPHIC EQUIPMENT

**FILM READERS**

UF Microfilm readers  
Microfilm selectors

BT PHOTOGRAPHIC EQUIPMENT  
RT READING MACHINES

**FILMS**

(Thin layers deposited on or adhering to surfaces for films used in photography, etc. see PHOTOGRAPHIC FILM and RADIOGRAPHIC FILM.)

NT METAL FILMS

SEMICONDUCTING FILMS

**FILTERS (ELECTROMAGNETIC WAVE)**

NT BAND-PASS FILTERS  
CRYSTAL FILTERS  
ELECTRIC FILTERS  
LOW-PASS FILTERS  
MATCHED FILTERS  
OPTICAL FILTERS  
RADIOFREQUENCY FILTERS  
ULTRAVIOLET FILTERS  
VIDEO FILTERS  
WAVEGUIDE FILTERS  
RT OPTICAL EQUIPMENT COMPONENTS

**FILTERS (ELECTROMAGNETIC)**

NT LOW-PASS FILTERS

**FILTERS (FLUID)**

UF Porous filters  
NT AIR-INTAKE FILTERS  
FUEL FILTERS  
RT PURIFICATION

**Final approach**

USE APPROACH

**Final clearance**

USE CLEARANCE

**Finances**

USE MONEY

**Fingers**

USE ARMS

**FINISHES**

NT CERAMIC COATINGS

**FINISHES & FINISHING**

NT AIRCRAFT FINISHES  
ALUMINUM COATINGS  
ANTIFOULING COATINGS  
BITUMINOUS COATINGS  
CERAMIC COATINGS  
COATINGS  
ELECTROLYTIC POLISHING  
FIRE-RESISTANT COATINGS  
MACHINING  
METAL COATINGS  
MOISTUREPROOFING  
ORGANIC COATINGS  
PAINTS  
PHOSPHATE COATINGS  
PLASTIC COATINGS  
PLATING  
PROTECTIVE TREATMENTS  
REFRACTORY COATINGS  
RUBBER COATINGS  
VAPOR PLATING  
VARNISHES  
WEATHERPROOFING

**FINS**

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
RT AERIAL RUDDERS  
AIRFOILS  
STABILIZERS (HORIZ. TAIL SURFACES)  
STABILIZERS (VERT. TAIL SURFACES)  
TRAILING CONTROL SURFACES

**FIRE ALARM SYSTEMS**

UF Fire detectors  
Ultraviolet line detectors  
BT FIRE SAFETY  
WARNING SYSTEMS

**FIRE CONTROL SYSTEMS**

NT AIRCRAFT FIRE CONTROL SYSTEMS  
RT BOMBING  
PLOTTERS  
TARGET DESIGNATORS

**Fire detectors**

USE FIRE ALARM SYSTEMS

**FIRE EXTINGUISHERS**

RT FIRE SAFETY  
SPRINKLERS

**FIRE SAFETY**

BT SAFETY  
NT FIRE ALARM SYSTEMS  
FIRE EXTINGUISHERS  
FIREFIGHTING VEHICLES  
SPRINKLERS

**FIRE-RESISTANT COATINGS**

UF Fire-resistant paints  
BT COATINGS  
FINISHES & FINISHING  
PROTECTIVE TREATMENTS

**Fire-resistant paints**

USE FIRE-RESISTANT COATINGS

**Fire-resistant plywood**

USE PLYWOOD

**FIRE-RESISTANT TEXTILES**

BT TEXTILES  
RT ASBESTOS  
GLASS TEXTILES  
METALLIC TEXTILES

**Firebrick**

USE REFRACTORY MATERIALS

**FIREFIGHTING VEHICLES**

BT VEHICLES  
RT CRASH VEHICLES  
FIRE SAFETY  
RECOVERY VEHICLES

**FIRES**

NT AIRCRAFT FIRES  
RT ACCIDENTS  
DISASTERS  
FLAMES

**FIRING CIRCUITS**

(Electric circuits by means of which weapons, rockets, missiles, etc. are fired.)

BT CIRCUITS

**Firing test (Rocket)**

USE CAPTIVE TESTS

**FIRST-AID**

UF Life saving  
RT ACCIDENTS  
WOUNDS & INJURIES

**First-aid stations**

USE MEDICAL FACILITIES

**Fiscal programs**

USE BUDGETS

**Fission reactors**

USE NUCLEAR REACTORS

**FITTINGS**

NT COUPLINGS  
DISCONNECT FITTINGS  
FLEXIBLE COUPLINGS  
HOSE FITTINGS  
HYDRAULIC COUPLINGS  
SELF-SEALING COUPLINGS  
SUSPENSION DEVICES

RT ELECTRIC CONNECTORS

**Fittings (Coverings)**

USE PROTECTIVE COVERINGS

**FLAGS**

(Devices for visually indicating location of airfields.)

UF Pennants

**FLAME ARRESTERS**

UF Flame dampers  
RT COMBUSTION CHAMBERS

**Flame dampers**

USE FLAME ARRESTERS

**FLAME HOLDERS**

UF Jet flame holders

RT COMBUSTION CHAMBERS

**FLAME PROPAGATION**

RT PROPAGATION

**FLAME SPRAYING**

RT COATINGS  
PLATING

**FLAMEOUT**

**FLAMES**

NT EXHAUST FLAMES  
RT COMBUSTION  
COMBUSTION CHAMBER GASES  
FIRES  
FUELS

**FLAMMABILITY**

UF Combustibility  
Inflammability

**FLANGES**

UF Reinforced flanges  
BT STRUCTURAL PARTS  
RT METAL PLATES

**FLAPS**

UF Nose flaps  
Slit control flaps  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
NT AIR BRAKE FLAPS  
LEADING EDGE FLAPS  
SLOTTED FLAPS  
SPLIT FLAPS  
RT AERIAL RUDDERS  
JET FLAPS  
SPOILERS  
TRAILING CONTROL SURFACES

**FLAREOUT**

(Modification of the vertical component of approach of an aircraft to lessen landing impact.)

BT APPROACH  
RT DESCENT  
GLIDE PATH  
LANDING

**FLARES**

UF Trip wire flares  
BT PYROTECHNICS  
RT ILLUMINATION  
MARKER LIGHTS  
SIGNAL LIGHTS  
SIGNALS

**Flash burns**

USE BURNS

**FLASH LAMPS**

UF High-intensity flash lamps  
Photoflash bulbs  
BT PHOTOGRAPHIC EQUIPMENT

**Flash entering**

USE ENTERING

**FLASHBLINDNESS**

(Temporary loss of sight caused by eye injury resulting from viewing explosion flashes without adequate protection.)

RT VISION

**FLASHLIGHTS**

RT LIGHTING EQUIPMENT  
SIGNAL LIGHTS

**FLAT PLATE MODELS**

BT AERODYNAMIC CONFIGURATIONS  
MODELS (SIMULATIONS)

**FLEETS**

BT MILITARY ORGANIZATIONS

**FLEXIBLE COUPLINGS**

BT COUPLINGS  
FITTINGS  
FLEXIBLE STRUCTURES  
STRUCTURES  
RT HYDRAULIC COUPLINGS  
SELF-SEALING COUPLINGS

**FLEXIBLE STRUCTURES**

BT STRUCTURES  
NT FLEXIBLE COUPLINGS

**Flexing**

USE DEFORMATION

**FLIGHT**

UF Bird flight  
High-altitude flight

NT APPROACH  
AUTOROTATION  
BUFFETING  
CLIMBING  
CRAB  
CRUISING  
DEPARTURE  
DESCENT  
FLIGHT PLANS  
FORMATION FLIGHT  
HYPERSONIC FLIGHT  
INSTRUMENT FLIGHT  
NIGHT FLIGHT  
OVERFLIGHT  
PRESSURE PATTERN FLIGHT  
SIDESLIP  
SPACE FLIGHT  
SUBSONIC FLIGHT  
SUPERSONIC FLIGHT  
TRANSITION FLIGHT  
TRANSONIC FLIGHT  
VISUAL FLIGHT  
RT FLIGHT INSTRUMENTS  
FLIGHT PATHS  
LANDING  
TAKE-OFF

**Flight altitude indicators**

USE ALTITUDE INDICATORS

**FLIGHT CHARACTERISTICS**

(Characteristics exhibited by an aircraft in flight; such as tendency to stall, yaw, etc.)

UF Lateral stability  
Longitudinal stability  
Vertical stability  
RT FLIGHT CONTROL SYSTEMS  
PITCH (MOTION)  
ROLL  
STABILIZATION SYSTEMS  
YAW

**FLIGHT CLOTHING**

BT CLOTHING  
PROTECTIVE CLOTHING

**NT PRESSURE SUITS****FLIGHT CONTROL SYSTEMS**

BT AIRCRAFT SYSTEMS  
CONTROL SYSTEMS  
NT AERODYNAMIC CONTROL  
SURFACES  
ATTITUDE CONTROL SYSTEMS  
BOUNDARY LAYER CONTROL  
SYSTEMS  
THRUST VECTOR CONTROL  
SYSTEMS  
RT FLIGHT CHARACTERISTICS

**FLIGHT CREWS**

UF Crew (air)  
BT AVIATION PERSONNEL  
RT MAINTENANCE PERSONNEL  
MILITARY PERSONNEL  
OFFICER PERSONNEL

**FLIGHT INSTRUMENTS**

NT AIRSPEED INDICATORS  
ATTITUDE INDICATORS  
FLIGHT SPEED INDICATORS  
GROUND-POSITION INDICATORS  
GROUND-SPEED INDICATORS  
HORIZON SCANNERS  
HORIZONTAL INDICATORS  
MACHMETERS  
RADIO ALTIMETERS  
RATE-OF-CLIMB INDICATORS  
STALL-WARNING INDICATORS  
VERTICAL INDICATORS  
YAWMETERS  
RT AIRCRAFT EQUIPMENT  
ALTIMETERS  
CLOCKS  
COCKPITS  
COURSE INDICATORS  
FLIGHT  
GYROSCOPES  
HEIGHT FINDING  
INSTRUMENT DIALS  
INSTRUMENT PANELS  
POSITION FINDING

**FLIGHT PATHS**

(Paths traced by AIRCRAFT in flight. For paths traced by guided missiles, rockets, spacecraft, etc. see TRAJECTORIES.)

UF Trajectories (Aircraft)  
NT AIR ROUTES  
PRESSURE PATTERN FLIGHT  
RT AIRSPACE  
AIRWAYS  
APPROACH  
DEPARTURE  
DESCENT  
FLIGHT  
FLIGHT PATTERNS  
FORMATION FLIGHT  
GLIDE PATH  
LANDING

**FLIGHT PATTERNS**

(A graphic representation of a pre-established profile designed to facilitate an aircraft in flight.)

RT AIR ROUTE TRAFFIC CONTROL  
AIR ROUTES  
FLIGHT PATHS  
FLIGHT PLANS  
FLIGHT PLANS  
UF Flight schedules  
BT FLIGHT  
RT AIR ROUTES  
AIR TRAFFIC CONTROL SYSTEMS  
AIRWAYS  
FLIGHT PATTERNS  
FLIGHT PROGRESS STRIPS

**FLIGHT PLANS**

UF Flight schedules  
BT FLIGHT  
RT AIR ROUTES  
AIR TRAFFIC CONTROL SYSTEMS  
AIRWAYS  
FLIGHT PATTERNS  
FLIGHT PROGRESS STRIPS

**Flight position indicators**

USE GROUND-POSITION INDICATORS

**FLIGHT PROGRESS STRIPS**

RT AIR TRAFFIC CONTROL SYSTEMS  
DATA  
FLIGHT PLANS  
RECORDS

**Flight recordings**

USE Aircraft and RECORDING DEVICES

**Flight schedules**

USE FLIGHT PLANS

**FLIGHT SERVICE SPECIALISTS**

BT AVIATION PERSONNEL  
RT AIR TRAFFIC CONTROLLERS  
RADAR OPERATORS  
RADIO OPERATORS

**FLIGHT SERVICE STATIONS**

(Provides flight assistance service to commercial, military, and general aviation aircraft prior to and during the aircraft's flight. Relays air traffic control information between aircraft and other ATC facilities including centers, towers, and other stations.)

UF FSS  
BT TERMINAL FLIGHT FACILITIES  
RT AIR TRAFFIC CONTROL SYSTEMS  
AIRPORTS

**FLIGHT SIMULATORS**

BT SIMULATION  
RT CONTROL SIMULATORS  
FAST TIME  
FLUTTER SIMULATORS  
GUIDED MISSILE SIMULATORS  
SPECIAL PURPOSE COMPUTERS  
TRAINING DEVICES

**FLIGHT SPEED INDICATORS**

BT FLIGHT INSTRUMENTS  
NT AIRSPEED INDICATORS  
GROUND-SPEED INDICATORS  
MACHMETERS  
STALL-WARNING INDICATORS  
RT COURSE INDICATORS  
RATE-OF-CLIMB INDICATORS

**FLIGHT SPEEDS**

UF Airplane speed  
BT VELOCITY  
NT MACH NUMBER  
RT AIRSPEED  
GROUND SPEED

**FLIGHT SURGEONS**

BT AVIATION PERSONNEL  
MEDICAL PERSONNEL  
MILITARY PERSONNEL

**FLIGHT TESTING**

BT TESTS

**FLIGHT-CHECK****FLOATS**

UF Pontoon  
NT SEAPLANE FLOATS  
RT BUOYS

**FLOODLIGHTS**

BT LIGHTING EQUIPMENT  
RT SEARCHLIGHTS

**FLOODS**

BT HYDROLOGY  
RT DISASTERS

**FLOOR COVERINGS**

UF Aircraft floor coverings  
Carpet  
Deck coverings  
Linoleum  
Rugs

**FLOORS**

RT BUILDINGS  
FOUNDATIONS (STRUCTURES)  
Flow diagramming (Computers)  
USE PROGRAMMING (COMPUTERS)

**Flow graphs**

USE STATISTICAL ANALYSIS

**Flows (Topology)**

USE ALGEBRAIC TOPOLOGY

**FLUID DYNAMIC PROPERTIES**

UF Aerodynamic properties  
Hydrodynamic properties  
NT AERODYNAMIC CHARACTERISTICS  
AERODYNAMIC HEATING  
AREA SUCTION  
BOUNDARY LAYER  
BOUNDARY LAYER TRANSITION  
DOWNWASH  
DRAG  
FLUTTER  
GROUND EFFECT  
HYPERSONIC CHARACTERISTICS  
LAMINAR BOUNDARY LAYER  
LIFT  
REYNOLDS NUMBER  
SUBSONIC CHARACTERISTICS  
SUPERSONIC CHARACTERISTICS  
TRANSONIC CHARACTERISTICS  
TURBULENCE  
TURBULENT BOUNDARY LAYER  
RT AERODYNAMIC CONFIGURATIONS  
FLUID MECHANICS  
HYDRODYNAMIC CONFIGURATIONS  
HYDROPLANNING  
MACH NUMBER  
THREE-DIMENSIONAL FLOW

**TWO-DIMENSIONAL FLOW****FLUID FLOW**

NT AXIALLY SYMMETRIC FLOW  
BOUNDARY LAYER  
COMPRESSIBLE FLOW  
GAS FLOW  
HYPERSONIC FLOW  
INCOMPRESSIBLE FLOW  
JET MIXING FLOW  
JETS  
LAMINAR BOUNDARY LAYER  
LAMINAR FLOW  
SPRAYS  
SUBSONIC FLOW  
THREE-DIMENSIONAL FLOW  
TURBULENT BOUNDARY LAYER  
TWO-DIMENSIONAL FLOW  
VORTICES

RT AEROELASTICITY  
FLUIDS  
MAGNETOHYDRODYNAMICS  
NOZZLES  
TURBULENCE  
VISCOSITY

**FLUID MECHANICS**

BT MECHANICS  
RT AEROSTATICS  
HYDRODYNAMICS  
HYDROSTATICS  
AEROELASTICITY  
CONTROL SURFACES  
DYNAMICS  
FLUID DYNAMIC PROPERTIES  
FLUIDS  
MAGNETOHYDRODYNAMICS  
QUANTUM MECHANICS  
STATICS  
THERMODYNAMICS  
VISCOSITY

**FLUIDS**

NT DROPS  
GASES  
LIQUIDS  
SPRAYS  
VAPORS  
RT FLUID FLOW  
FLUID MECHANICS

**FLUORESCENCE**

BT LUMINESCENCE  
OPTICAL PHENOMENA

**FLUORIDES**

BT HALIDES

**FLUORINE**

BT GROUP VII ELEMENTS  
HALOGENS  
NON-METALS

**FLUOROCHLORIDES**

Fluorophosphates  
USE PHOSPHORIC MONOESTER  
HYDROLASES

**FLUOROSCOPES**

RT MEDICAL EQUIPMENT  
Flash-mounted antennas  
USE SLOT ANTENNAS

**FLUTTER**

UF Autoprecision  
Precision instability  
Whirl flutter  
BT FLUID DYNAMIC PROPERTIES  
RT BOUNDARY LAYER  
BOUNDARY LAYER CONTROL  
BOUNDARY LAYER TRANSITION  
TURBULENCE

**FLUTTER SIMULATORS**

BT AERODYNAMIC CONFIGURATIONS  
SIMULATION  
RT CONTROL SIMULATORS  
FLIGHT SIMULATORS

**Flutter suppression**

USE VIBRATION ISOLATORS  
Piezoelectric magnetostrictors  
USE MAGNETOMETERS

**FLUXMETERS****FLYING BOAT HULLS**

BT AIRPLANES  
HYDRODYNAMIC CONFIGURATIONS  
HYDROFOILS  
PLANNING SURFACES  
RT FUSELAGES

**FLYING BOATS**

BT AIRCRAFT  
AIRPLANES  
WATER-BASED AIRPLANES  
JET FLYING BOATS  
RT AMPHIBIAN PLANES

**FLYING BOATS (Con.)**  
SEAPLANES

**FLYING PLATFORMS**  
BT AIRCRAFT  
RT AIRPLANES  
AUTOGYROS  
GROUND EFFECT MACHINES  
HELICOPTERS  
SHORT TAKE-OFF PLANES  
VERTICAL TAKE-OFF PLANES

**Foamed plastics**  
USE EXPANDED PLASTICS

**FOAMS**  
BT COLLOIDS  
RT BUBBLES

**FOCUSING**  
BT OPTICAL PROPERTIES  
RT BRIGHTNESS  
DIFFRACTION  
DISTORTION  
ILLUMINATION  
LIGHT TRANSMISSION  
REFLECTION  
REFRACTION  
REFRACTIVE INDEX

**FOG**  
BT ATMOSPHERIC CONDENSATION  
CLOUDS  
NT ICE FOG  
RT HAZE

**Fog cabinets**  
USE HUMIDITY CABINETS

**FOILS**  
UF Metal foils  
RT METAL FILMS  
SHEETS

**Folic acid**  
USE VITAMIN B COMPLEX

**FOOD**  
RT DIET  
NUTRITION  
VEGETABLE OILS

**Food deprivation**  
USE STARVATION

**FOOD DISPENSING**  
UF in-flight feeding

**FOREIGN POLICY**

**Foreign trade**  
USE COMMERCE

**FORESTRY**  
UF Arboriculture  
BT AGRICULTURE  
RT TREES

**FORGING**  
BT MATERIAL FORMING

**FORMATION FLIGHT**  
BT FLIGHT  
RT AIR FORCE OPERATIONS  
FLIGHT PATHS

**Formation lights**  
USE NAVIGATIONAL LIGHTS

**Fortran**  
USE PROGRAMMING LANGUAGES

**Forums**  
USE SYMPOSIA

**Forward edge**  
USE LEADING EDGE

**FOULING**

**FOUNDATIONS (STRUCTURES)**  
RT BUILDINGS  
FLOORS

**Foundations of mathematics**  
USE MATHEMATICS

**FOURIER ANALYSIS**  
UF Fourier-Hermite expansion  
Fourier-Stieltjes transform  
Trigonometric sum

**Fourier transforms**  
USE INTEGRAL TRANSFORMS

**Fourier-Hermite expansion**  
USE FOURIER ANALYSIS

**Fourier-Stieltjes transform**  
USE FOURIER ANALYSIS

**Fowl**  
USE BIRDS

**Fowler Rags**  
USE SPLIT FLAPS

**Fractionation**  
USE DISTILLATION

**FRACTURE (MECHANICS)**  
UF Cracking (Mechanics)  
BT FAILURE (MECHANICS)  
MECHANICAL PROPERTIES

**FRACTURES (BONE)**  
UF Bone fractures  
BT WOUNDS & INJURIES  
RT BONE

**Frames (Aircraft)**  
USE AIRFRAMES

**Fredholm integral equation**  
USE INTEGRAL EQUATIONS

**Fredholm theory**  
USE INTEGRAL EQUATIONS

**FREE RADICALS**  
(Atoms or groups of atoms having at least one unpaired electron)  
BT IONS

**FREE-FALL MODELS**  
BT AERODYNAMIC CONFIGURATIONS  
RT AIRPLANE MODELS

**FREE-FLIGHT TRAJECTORIES**  
BT TRAJECTORIES

**FREIZING**

**Freight**  
USE CARGO

**FREQUENCY**  
NT AUDIOFREQUENCY  
BROADBAND  
C BAND  
EXTREMELY HIGH FREQUENCY  
EXTREMELY LOW FREQUENCY  
HIGH FREQUENCY  
K BAND  
L BAND  
LOW FREQUENCY  
MEDIUM FREQUENCY  
MICROWAVE FREQUENCY  
NARROWBAND  
RADIOFREQUENCY  
S BAND  
SUPERHIGH FREQUENCY  
X BAND  
RT ELECTROMAGNETIC WAVES  
PROPAGATION  
SPECTROSCOPY

**FREQUENCY ANALYZERS**  
RT MICROWAVE SPECTROSCOPY  
NOISE ANALYZERS  
OSCILLOSCOPES  
RADIO INTERFERENCE  
ANALYZERS  
RADIOFREQUENCY  
SPECTROSCOPY  
STANDING-WAVE INDICATORS  
TEST EQUIPMENT  
(ELECTRONICS)  
WAVE ANALYZERS

**Frequency changers**  
USE FREQUENCY CONVERTERS

**FREQUENCY CONVERTERS**  
(Circuits devices or machines that change alternating current from one frequency to another)  
UF Frequency changers  
RT FREQUENCY MULTIPLIERS

**Frequency factor**  
USE REACTION KINETICS

**FREQUENCY METERS**

**FREQUENCY MODULATION**  
UF Frequency modulation (communication)  
BT MODULATION  
RT AMPLITUDE MODULATION  
PHASE DISTORTION  
PHASE MODULATION  
PULSE MODULATION

**Frequency modulation communication**  
USE FREQUENCY MODULATION  
and RADIO COMMUNICATIONS  
SYSTEMS

**FREQUENCY MULTIPLIERS**  
UF Multipliers (Converters)  
RT FREQUENCY CONVERTERS

**FREQUENCY SHIFT**

**FREQUENCY STABILIZERS**  
RT AUTOMATIC FREQUENCY  
CONTROL

**FREQUENCY-SHIFT REVERS**  
UF Revers (Frequency shift)  
BT COMMUNICATION EQUIPMENT  
RT RADIO TELETYPE SYSTEMS

**Freonol integrals**  
USE INTEGRALS

**FRICTION**  
RT SURFACE PROPERTIES

**Frontal analysis**  
USE AIR MASS ANALYSIS

**FSS**  
USE FLIGHT SERVICE STATIONS

**FUEL ADDITIVES**  
UF Propellant additives  
BT ADDITIVES  
RT FUEL THICKENERS  
LIQUID ROCKET FUELS  
LIQUID ROCKET PROPELLANTS

**FUEL CELLS**  
(Voltage cells that convert fuels, e.g., H and O, directly to electrical energy)  
BT BATTERIES & COMPONENTS  
RT ENERGY CONVERSION

**FUEL CONSUMPTION**  
(Excludes reactor fuel consumption)  
RT COMBUSTION  
FUELS

**FUEL CONTAMINATION**

**FUEL FILTERS**  
BT ENGINE FUEL SYSTEMS  
COMPONENTS  
FILTERS (FLUID)  
RT ENGINE AIR SYSTEMS  
COMPONENTS

**FUEL GAGES**  
(Devices that indicate the volume of fuel in a tank or other container)  
BT ENGINE FUEL SYSTEMS  
COMPONENTS  
RT FUEL METERS

**FUEL HOSE**  
BT HOSES  
RT ENGINE FUEL SYSTEMS  
COMPONENTS  
FUEL SYSTEMS

**FUEL INJECTION**  
BT INJECTION  
RT COMBUSTION CHAMBER GASES  
FUELS

**FUEL INJECTORS**  
BT ENGINE FUEL SYSTEMS  
COMPONENTS  
FUEL PUMPS  
INJECTORS  
PUMPS

**FUEL METERS**  
BT ENGINE FUEL SYSTEMS  
COMPONENTS  
RT ENGINE STRUCTURES  
FUEL GAGES

**FUEL OIL**  
UF Diesel fuels  
BT FUELS  
OILS

**FUEL PUMPS**  
BT PUMPS  
RT FUEL INJECTORS  
RT ENGINE FUEL SYSTEMS  
COMPONENTS

**FUEL SEALS**  
BT SEALS (STOPPERS)  
RT FUEL SYSTEMS  
METAL SEALS  
PLASTIC SEALS  
ROTARY SEALS  
RUBBER SEALS

**Fuel sloshing**  
USE SLOSHING

**Fuel storage tanks**  
USE STORAGE TANKS

**FUEL SYSTEMS**  
RT ENGINE AIR SYSTEMS  
COMPONENTS  
ENGINE FUEL SYSTEMS  
COMPONENTS  
ENGINE STRUCTURES  
FUEL HOSE  
FUEL SEALS  
FUEL TANKS

**Fuel tank vents**  
USE TANK VENTS

**FUEL TANKS**  
BT CONTAINERS  
TANKS (CONTAINERS)  
RT AIRCRAFT PROTUBERANCES  
ENGINE FUEL SYSTEMS  
COMPONENTS  
EXTERNAL STORES  
FUEL SYSTEMS  
OIL TANKS  
STORAGE TANKS  
TANK VENTS

**FUEL THICKENERS**  
RT FUEL ADDITIVES

**FUEL TRUCKS**  
BT CARGO VEHICLES  
VEHICLES  
RT TOWED VEHICLES

**Fuel-level control**  
USE FUELS  
and LIQUID-LEVEL CONTROL

**Fueling at sea**  
USE REFUELING

**Fueling in flight**  
USE REFUELING

**FUELS**  
UF Fuel-level control  
NT AVIATION FUELS  
FUEL OIL  
GASOLINE  
JET ENGINE FUELS  
KEROSENE  
LIQUID ROCKET FUELS  
RT COMBUSTION  
FLAMES  
FUEL CONSUMPTION  
FUEL INJECTION  
OILS  
PETROLEUM  
PROPELLANTS

**FULL WAVE RECTIFIERS**  
BT RECTIFIERS  
RT CRYSTAL RECTIFIERS

**Fumagillin**  
USE ANTIBIOTICS

**Fumigation**  
USE PEST CONTROL

**FUNCTIONAL ANALYSIS**  
UF Banach space  
Bernstein's approximation  
Distribution  
Functional calculus  
Green space  
Hahn-Banach theorem  
Krein spaces  
Krein-Smulan theorem  
LP spaces

**Functional calculus**  
USE FUNCTIONAL ANALYSIS

**Functional equations**  
USE EQUATIONS

**FUNCTIONS**  
UF Almost periodic functions  
Analytic functions  
Bounded functions  
Convex functions  
Discrete harmonic functions  
Eigen-functions  
Entire functions  
Entropy functions  
Generalized distance functions  
Homeomorphic functions  
Integral functions  
Logarithmic functions  
Möbiotic functions  
Monotonic functions  
Nonlinear functions  
Pseudanalytic functions  
Rational functions  
Ring functions  
Schlicht functions  
Symplectic functions  
Transcendental functions  
Transfer functions  
Univalent functions

**FUNGI**  
UF Molds  
BT PLANTS (BOTANY)  
RT ALGAE  
BACTERIA  
MICROORGANISMS  
YEASTS

**FUNGUS DETERIORATION**  
BT DEGRADATION

**FURNACES**  
UF Oil burning furnaces  
Ovens  
RT COMBUSTION CHAMBERS  
HEATERS

**FUSELAGES**  
BT AIRFRAMES  
RT AIRPLANE NOSES  
AIRPLANE PANELS  
FLYING BOAT HULLS  
MONOCOQUES



**Goggles**  
USE EYEGLASSES

**GOLD**  
UF Gold blacks  
Gold smoke deposits  
BT GROUP I ELEMENTS  
METALS

**Gold blacks**  
USE GOLD

**Gold smoke deposits**  
USE GOLD

**Goldstein, model**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Gonadotropin**  
USE PITUITARY HORMONES

**Gonads**  
USE SEX GLANDS

**GONDOLAS**  
BT AIRCRAFT EQUIPMENT  
RT AIRCRAFT PROTUBERANCES  
BALLOON EQUIPMENT

**GONIOMETERS**  
BT METERS

**Goussat problem**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Government**  
USE POLITICAL SCIENCE

**Government (Foreign)**  
USE POLITICAL SCIENCE

**Government (United States)**  
USE UNITED STATES GOVERNMENT

**GOVERNMENT EMPLOYEES**  
UF Civil service employees  
BT PERSONNEL  
RT ENGINEERING PERSONNEL  
OPERATORS (PERSONNEL)  
PROFESSIONAL PERSONNEL  
SCIENTIFIC PERSONNEL

**GOVERNMENT PROCUREMENT**  
BT PROCUREMENT  
NT AIR FORCE PROCUREMENT  
ARMED FORCES PROCUREMENT  
ARMY PROCUREMENT  
NAVAL PROCUREMENT  
INDUSTRIAL PROCUREMENT

**Governess**  
USE SPEED REGULATORS

**Gradient equation**  
USE DIFFERENTIAL EQUATIONS

**Gradient equations**  
USE DIFFERENTIAL EQUATIONS

**Gradiometers**  
USE Magnetometers

**GRADUATORS**  
USE MAGNETOMETERS

**GRAIN STRUCTURES (METALLURGY)**  
RT CERAMICS  
CRYSTALS  
MARTENSITE  
MARTENSITE  
METALLOGRAPHY  
SINGLE CRYSTALS  
TRANSFORMATIONS

**Grainage**  
USE GRASSES

**GRAPHITE**  
BT CARBON  
MINERAL PRODUCTS  
RT CARBON COMPOUNDS  
LUBRICANTS

**GRASSES**  
(Includes both plants and plant products)  
UF Grasshopper  
Turf  
BT PLANTS (BOTANY)

**Gratings (Optics)**  
USE DIFFRACTION GRATINGS

**GRAVEL**  
BT ROCK (GEOLOGY)  
SOILS

**GRAVITY**  
BT AERODYNAMIC FORCES  
RT CENTER OF GRAVITY  
RT WEIGHTLESSNESS

**GRAVITY (ARTIFICIAL)**  
RT WEIGHTLESSNESS

**GREASES**  
BT LUBRICANTS  
NT INSTRUMENT GREASES

RT LOW-TEMPERATURE LUBRICANTS  
LUBRICANT ADDITIVES  
LUBRICATION

**Green space**  
USE FUNCTIONAL ANALYSIS

**Greens operators**  
USE OPERATORS (MATHEMATICS)

**Grinding material**  
USE ABRASIVES

**Grinding materials**  
USE ABRASIVES

**GROUND**  
(Domain of non-flight operations normally taking place on the earth's surface)  
**GROUND (ELECTRICAL)**  
(Conducting path between an electric circuit or equipment and the earth or some conducting body serving in place of the earth)  
**Ground anchors**  
USE Anchors (structural)

**GROUND BRAKING**  
USE AIRCRAFT BRAKING

**GROUND EFFECT**  
BT FLUID DYNAMIC PROPERTIES  
RT DOWNWASH  
LIFT  
THRUST  
WAKE

**GROUND EFFECT MACHINES**  
BT AIRCRAFT  
RT AIRPLANES  
FLYING PLATFORMS

**GROUND SPEED**  
BT VELOCITY  
RT AIRSPEED  
FLIGHT SPEEDS

**GROUND SUPPORT EQUIPMENT**  
UF Aerospace ground equipment

**GROUND VEHICLE ANTENNAS**  
BT ANTENNAS

**Ground waves**  
USE RADIO WAVES

**GROUND-CONTROLLED APPROACH RADAR**  
BT LANDING AIDS  
RADAR  
RADAR LANDING CONTROL  
RT AIRPORT RADAR SYSTEMS  
CARRIER-CONTROLLED APPROACH RADAR  
GLIDE-PATH SYSTEMS  
INSTRUMENT LANDINGS  
RADAR NAVIGATION  
RADAR STATIONS  
RADAR TRACKING  
TERMINAL FLIGHT FACILITIES  
TERMINAL GUIDANCE SYSTEMS

**GROUND-POSITION INDICATORS**  
(Refers to actual position of aircraft with reference to fixed point on the ground)  
UF Air position indicators  
Flight position indicators  
BT FLIGHT INSTRUMENTS  
POSITION FINDING  
RT AIRSPEED INDICATORS  
MACHMETERS  
PLAN POSITION INDICATORS

**GROUND-SPEED INDICATORS**  
BT FLIGHT INSTRUMENTS  
FLIGHT SPEED INDICATORS  
RT AIRSPEED INDICATORS  
MACHMETERS

**Group behavior**  
USE GROUP DYNAMICS

**GROUP DYNAMICS**  
UF Group behavior  
BT BEHAVIOR  
RT ADJUSTMENT (PSYCHOLOGY)  
ATTITUDES  
LEADERSHIP  
PSYCHOLOGY  
SOCIAL COMMUNICATION

**GROUP I ELEMENTS**  
BT COPPER  
GOLD  
HYDROGEN  
RT METALS  
NON-METALS

**GROUP II ELEMENTS**  
BT METALS  
RT ALKALINE EARTH METALS

BERYLLIUM  
CADMIUM  
MAGNESIUM  
MERCURY

**GROUP III ELEMENTS**  
NT ALUMINUM  
BORON  
RT METALS  
NON-METALS

**GROUP IV ELEMENTS**  
NT CARBON  
RT METALS

**GROUP V ELEMENTS**  
NT NIOSIUM  
NITROGEN  
PHOSPHORUS  
TANTALUM  
RT METALS  
NON-METALS

**GROUP VI ELEMENTS**  
NT CHROMIUM  
MOLYBDENUM  
OXYGEN  
SULFUR  
TUNGSTEN  
RT METALS  
NON-METALS

**GROUP VII ELEMENTS**  
NT BROMINE  
CHLORINE  
FLUORINE  
HALOGENS  
IODINE  
RT METALS  
NON-METALS

**GROWTH**  
RT AGING (PHYSIOLOGY)

**Growth crystals**  
USE CRYSTAL GROWTH

**Growth equation**  
USE NONLINEAR DIFFERENTIAL EQUATIONS

**Guidance**  
USE PURPOSES

**GUIDANCE**  
NT AUTOMATIC NAVIGATORS  
CELESTIAL GUIDANCE  
COMMAND GUIDANCE  
GLIDE-PATH SYSTEMS  
HOMING DEVICES  
INERTIAL GUIDANCE  
LIGHT HOMING  
MAGNETIC GUIDANCE  
NAVIGATION COMPUTERS  
RADIO HOMING  
STAR TRACKERS  
TERMINAL GUIDANCE  
RT CONTROL SYSTEMS  
HYPERBOLIC NAVIGATION  
NAVIGATION

**GUIDE VANES**  
NT WAKE GUIDE VANES  
JET VANES

**GUIDED MISSILE COMPONENTS**  
BT GUIDED MISSILES  
A\* NOSE CONES

**GUIDED MISSILE PERSONNEL**  
BT MILITARY PERSONNEL  
RT AVIATION PERSONNEL  
MAINTENANCE PERSONNEL  
NAVAL PERSONNEL

**GUIDED MISSILE SIMULATORS**  
BT SIMULATION  
RT COMPUTERS  
FLIGHT SIMULATORS

**GUIDED MISSILES**  
(Ordnance items subject to guidance after launching as distinguished from rockets, projectiles and free-fall missiles which cannot be guided after launching)  
UF Missiles  
RT GUIDED MISSILE COMPONENTS  
RT WEAPONS

**Guided pigs**  
USE RODENTS

**Guid wings**  
USE CRANDED WINGS

**Guides**  
USE ESOPHAEGUS

**GUN LAUNCHER**  
RT LAUNCHING

**Gun-bomb-rocket sights**  
USE SIGHTS

**GUST LOADS**  
(Loads imposed on aircraft or surface structures by vertical air currents or gusts of wind)  
BT LOADING (MECHANICS)  
RT AERODYNAMIC HEATING  
AERODYNAMIC LOADING  
SHOCK WAVES

**GUSTS**  
(Sudden, brief movements of air at velocities in excess of the steady movement velocity)  
BT ATMOSPHERIC MOTION  
METEOROLOGICAL PHENOMENA  
WIND  
RT STORMS  
TURBULENCE

**Guy stakes**  
USE ANCHORS (STRUCTURAL)

**Gymnastics**  
USE EXERCISE

**GYRO COMPASSES**  
BT STABILIZATION SYSTEMS

**Gyromagnetic effect**  
USE MAGNETO-OPTIC EFFECT

**GYROSCOPES**  
RT FLIGHT INSTRUMENTS

## H

**Hadamard's method**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Hahn-Banach theorem**  
USE FUNCTIONAL ANALYSIS

**HAIL**  
BT ATMOSPHERIC CONDENSATION  
ATMOSPHERIC PRECIPITATION

**HALALY SPEECHES**

**HALIDES**  
NT BROMIDES  
CHLORIDES  
FLUORIDES  
RT HALOGEN COMPOUNDS

**HALL EFFECT**  
BT ELECTRICAL PROPERTIES  
ELECTROMAGNETIC PROPERTIES  
MAGNETIC PROPERTIES

**HALOCARBON PLASTICS**  
UF KEL-I  
Teflon  
TFE  
BT PLASTICS  
THERMOPLASTICS

**HALOGEN COMPOUNDS**  
BT CHEMICAL COMPOUNDS  
RT CHLORINE COMPOUNDS  
RT HALIDES  
INORGANIC COMPOUNDS

**HALOGENS**  
BT GROUP VII ELEMENTS  
NON-METALS  
NT BROMINE  
CHLORINE  
FLUORINE  
IODINE

**Hares**  
USE RODENTS

**HANDBOOKS**  
RT INSTRUCTION MANUALS

**HANDLING**  
RT STORAGE  
TRANSPORTATION

**Handoffs**  
USE RADAR HANDOFF

**Handse**  
USE ARMS

**Handsees**  
USE GLOVES

**HANGARS**  
BT BUILDINGS

**Handse functions**  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**Haptoscopes**  
USE OPTICALMOLOGY



## HARDENING

## THESAURUS OF FAA DESCRIPTORS

**HARDENING**  
 NT DISPERSION HARDENING  
 RT HEAT TREATMENT

**HARDNESS**  
 RT BRITTLENESS  
 MECHANICAL PROPERTIES  
 SURFACE PROPERTIES

**HARMONIC ANALYSIS**  
**HARMONIC ANALYZERS**  
 BT WAVE ANALYZERS  
 RT ACOUSTIC EQUIPMENT  
 ACOUSTIC PROPERTIES

**Hermite forms**  
 USE POTENTIAL THEORY

**HARMONIC OSCILLATORS**  
 BT OSCILLATORS  
 RT ACOUSTIC EQUIPMENT  
 ACOUSTIC PROPERTIES

**Herr's theorem**  
 USE NUMERICAL ANALYSIS

**HATCHES**  
 UF Emergency escape hatches  
 Escape hatches  
 BT SHIP STRUCTURAL COMPONENTS  
 RT MARINE SAFETY EQUIPMENT  
 SHIP AUXILIARY EQUIPMENT

**HAZARDS**  
 RT ACCIDENTS  
 DISASTERS  
 SAFETY  
 WOUNDS & INJURIES

**HAZE**  
 BT METEOROLOGICAL PHENOMENA  
 RT ATMOSPHERIC CONDENSATION  
 ATMOSPHERIC POLLUTION  
 FOG  
 ICE FOG  
 VISIBILITY

**HEAD**  
 UF Face  
 Head injuries  
 Headache  
 Jaw  
 Neck  
 Skull  
 BT BODY  
 RT BRAIN  
 EXTREMITIES

**Head injuries**  
 USE Head  
 and WOUNDS & INJURIES

**Headache**  
 USE Head  
 and PAIN

**Heading**  
 USE DIRECTION FINDING

**Headphones**  
 USE EARPHONES

**HEALTH PHYSICS**  
**HEALTH PHYSICS**  
**INSTRUMENTATION**  
 RT RADIOLOGICAL CONTAMINATION  
 RADIOLOGICAL DOSEAGE

**HEARING**  
 UF Auditory diseases  
 Auditory perception  
 Auditory thresholds  
 BT PERCEPTION  
 SENSORY MECHANISMS  
 AUDDIOMETRY  
 DEAFNESS  
 EAR  
 PITCH DISCRIMINATION  
 PSYCHOACOUSTICS  
 THRESHOLDS (PHYSIOLOGY)

**HEART**  
 UF Cardiac muscle  
 Coronary circulation  
 Heart arrest  
 Myocardium  
 BT CARDIOVASCULAR SYSTEM  
 RT AORTA  
 ARHYTHMIA  
 BALLISTOCARDIOGRAPHY  
 BLOOD  
 BLOOD VESSELS  
 CARDIOGRAPHY  
 ELECTROCARDIOGRAPHY

**Heart arrest**  
 USE HEART  
 and PATHOLOGY

**HEAT**  
 RT CALORIMETERS  
 HEAT TRANSFER  
 INFRARED RADIATION

**THERMAL RADIATION**  
**THERMODYNAMICS**  
**Heat equation**  
 US. PARTIAL DIFFERENTIAL  
 EQUATIONS  
**HEAT EXCHANGERS**  
 UF Intercoolers  
 Regenerative heat exchangers  
 RT ENERGY CONVERSION  
 LIQUID METAL PUMPS  
 NUCLEAR REACTORS  
 REACTOR SYSTEM COMPONENTS

**HEAT OF FUSION**  
 BT TRANSITION TEMPERATURE  
 RT SPECIFIC HEAT  
**HEAT PRODUCTION (BIOLOGY)**  
 RT BODY TEMPERATURE  
**HEAT SHIELDS**  
 RT SHIELDING  
 THERMAL INSULATION

**HEAT TOLERANCE**  
 BT TOLERANCES (PHYSIOLOGY)  
**HEAT TRANSFER**  
 NT INFRARED RADIATION  
 THERMAL RADIATION

RT EMISSIVITY  
 HEAT  
 THERMAL CONDUCTIVITY  
 THERMAL EXPANSION  
 THERMAL INSULATION  
 TRANSPORT PROPERTIES

**HEAT TRANSFER COEFFICIENTS**

**Heat transfer fluids**  
 USE COOLANTS  
**HEAT TREATMENT**  
 RT HARDENING

**Heat-resistant coatings**  
 USE REFRACTORY COATINGS

**HEAT-RESISTANT GLASS**

UF Pyrex  
 BT GLASS

**HEAT-RESISTANT MATERIALS**

NT CERMETS

**HEAT-RESISTANT GLASS**

**HEAT-RESISTANT METALS & ALLOYS**

**HEAT-RESISTANT PLASTICS**

REFRACTORY COATINGS

REFRACTORY MATERIALS

**HEAT-RESISTANT METALS & ALLOYS**

UF High-temperature alloys

BT ALLOYS

**HEAT-RESISTANT MATERIALS**

NT CERMETS

**HEAT-RESISTANT PLASTICS**

UF Heat-resistant polymers

BT HEAT-RESISTANT MATERIALS

PLASTICS

**Heat-resistant polymers**

USE HEAT-RESISTANT PLASTICS

**HEATERS**

UF Boilers

Water heaters

NT RADIANT HEATING PANELS

RT FURNACES

**HEATING**

NT AERODYNAMIC HEATING

Induction heating

**HEIGHT**

USE DIMENSIONS

**Height factors**

USE HEIGHT FINDING

**HEIGHT FINDING**

UF Height meters

Height indicators

Radar height finders

NT ALTIMETERS

CLOUD HEIGHT INDICATORS

RT FLIGHT INSTRUMENTS

RADIO ALTIMETERS

RANGES (DISTANCE)

**Height indicators**

USE HEIGHT FINDING

**HELICAL ANTENNAS**

BT ANTENNA CONFIGURATIONS

ANTENNAS

**HELICAL SPRINGS**

BT SPRINGS

**Helicopter blades**

USE ROTOR BLADES (ROTARY WINGS)

**HELICOPTER ENGINE NOISE**

BT ENGINE NOISE

NOISE

RT HELICOPTER NOISE  
**HELICOPTER ENGINES**  
 RT AIRPLANE ENGINES  
**HELICOPTER HOISTS**  
 BT AIRCRAFT EQUIPMENT  
**HELICOPTER NOISE**  
 BT NOISE  
 RT HELICOPTER ENGINE NOISE  
**HELICOPTER ROTORS**  
 BT AERODYNAMIC CONFIGURATIONS  
 ROTARY WINGS  
 WINGS  
 NT JET HELICOPTER ROTORS  
 TAIL HELICOPTER ROTORS  
 RT ROTOR BLADES (ROTARY WINGS)

**HELICOPTERS**  
 BT AIRCRAFT  
 RT AIRPLANES  
 AUTOGYROS  
 FLYING PLATFORMS  
 SHORT TAKE-OFF PLANES  
 VERTICAL TAKE-OFF PLANES

**HELIPORTS**  
 BT AIRPORTS  
 LANDING FIELDS  
 TERMINAL FLIGHT FACILITIES

**HELIUM**  
 BT HELIUM GROUP GASES  
 NON-METALS

**HELIUM GROUP GASES**

UF Inert gases

Flare gases

BT NON-METALS

NT ARGON

HELIUM

NEON

**HELMETS**

UF Vests

RT PROTECTIVE CLOTHING

**HEMATOLOGY**

RT BLOOD

BLOOD CELLS

EOSINOPHILS

ERYTHROCYTES

LEUKOCYTES

LYMPHOCYTES

OHMMETERS

PATHOLOGY

**Hemo**

USE HEMOGLOBIN

**Hemoglobin**

USE HEMOGLOBIN

**HEMISPHERICAL SHELLS**

RT CONES

**HEMISPHERICAL SHELLS**

BT BODIES OF REVOLUTION

GEOMETRIC FORMS

STRUCTURAL SHELLS

RT BLUNT BODIES

CONICAL BODIES

CURVED PROFILES

CONES

PARABOLIC BODIES

SPHERES

**Hemosthemostasis**

USE METABOLISM DISORDERS

**Hemostasis**

USE CHROMOPROTEINS

**HEMOGLOBIN**

UF Hemo

Hemoglobin

Hemoglobin

BT BLOOD PROTEINS

PROTEINS

PROTEINS (CONJUGATED)

RT BLOOD CELLS

ERYTHROCYTES

OHMMETERS

**Hemoglobin**

USE BLOOD

**Hemoglobin**

USE BLOOD CHROMOPROTEINS

**HEMOPHETIC SYSTEM**

RT BLOOD CELLS

BODY

BONE

EOSINOPHILS

ERYTHROCYTES

LEUKOCYTES

**HEMOPHAGOCYTES**

UF Bleeding

RT SHOCK (PATHOLOGY)

**Hemorrhagic shock**

USE SHOCK (PATHOLOGY)

**Hemostatin**  
 USE HEMOGLOBIN

**Heredity**

USE GENETICS

**Hermite functions**  
 USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)

**Hermite transforms**  
 USE INTEGRAL TRANSFORMS

**Hermite forms**

USE MATRIX ALGEBRA

**HIBERNATION**

UF Induced hibernation

RT ANIMALS

BEHAVIOR

HYPOTHERMIA

SLEEP

**Hierarchical models**

USE STATISTICAL ANALYSIS

**HIGH ALTITUDE**

BT ALTITUDE

**HIGH FREQUENCY**

(30,000 to 300,000 mc)

BT FREQUENCY

RADIOFREQUENCY

**High octane gasoline**

USE AVIATION FUELS

**HIGH-ALTITUDE**

(Over 15,000 feet)

UF Altitude adaptation

High-altitude flight

RT ALTITUDE CHAMBERS

**High-altitude flight**

USE FLIGHT

and HIGH-ALTITUDE

**High-intensity flash lamps**

USE FLASH LAMPS

**HIGH-PRESSURE COMPRESSORS**

BT COMPRESSORS

RT CENTRIFUGAL COMPRESSORS

ROTARY COMPRESSORS

**HIGH-PRESSURE RESEARCH**

BT SCIENTIFIC RESEARCH

RT PRESSURE VESSELS

**HIGH-PRESSURE VALVES**

RT PNEUMATIC VALVES

**HIGH-SPEED CAMERAS**

BT CAMERAS

RT MOTION-PICTURE CAMERAS

X-RAY DIFFRACTION CAMERAS

**High-temperature alloys**

USE HEAT-RESISTANT METALS & ALLOYS

**HIGH-TEMPERATURE RESEARCH**

BT SCIENTIFIC RESEARCH

**High-vacuum seals**

USE VACUUM SEALS

**Hilbert matrix**

USE MATRIX ALGEBRA

**Hilbert's transforms**

USE INTEGRAL TRANSFORMS

**Hilbert's method**

USE ALGEBRA

**Hill equation**

USE DIFFERENTIAL EQUATIONS

**INBUSH TUBES**

UF Hot-cold tubes

Range tubes

Venturi tubes

**INSTAMINE**

RT VASOACTIVE AGENTS

**Instamine antagonists**

USE ANTIHISTAMINICS

**ISTOLOGY**

RT CELLS (BIOLOGY)

PATHOLOGY

TISSUES (BIOLOGY)

**HISTORY**

**Huge**

USE GIANT

**HOISTS**

UF Ammunition hoists

Cranes

Pulley

Tackles

Winches

BT POSITIONING DEVICES

MECHANISMS

**Hoisting apparatus**

USE APPARATUS

**Hoisting area**

USE HOLDING PATTERNS

**HOLDING PATTERNS**

UF Holding area

**HOLDING PATTERNS (Con.)**

RT AIR TRAFFIC CONTROL SYSTEMS  
ATC TERMINAL AREA  
RADAR HANDOFF

**Holmium compounds**  
USE RARE EARTH COMPOUNDS

**Holomorphic functions**  
USE FUNCTIONS

**Homeomorphisms**  
USE TOPOLOGY

**HOMING DEVICES**

UF Photoelectric target seekers  
Target seekers  
BT GUIDANCE  
TERMINAL GUIDANCE  
NT LIGHT HOMING  
RADIO HOMING  
RT GUIDE-PATH SYSTEMS  
NAVIGATION

**Homotopy**  
USE ALGEBRAIC TOPOLOGY

**HONEYCOMB CORES**

BT STRUCTURAL PARTS  
RT AIRPLANE PANELS  
PANELS (STRUCTURAL)  
SANDWICH PANELS

**HOOKS**

BT MECHANICAL FASTENERS  
RT JOINTS  
LOCKING FASTENER DEVICES

**HORIZON SCANNERS**

UF Horizon sensors  
BT ATTITUDE CONTROL SYSTEMS  
FLIGHT INSTRUMENTS  
RT VERTICAL INDICATORS  
YAWMETERS

**Horizon sensors**  
USE HORIZON SCANNERS

**HORIZONTAL INDICATORS**

UF Artificial horizon  
Level indicators  
BT ATTITUDE INDICATORS  
FLIGHT INSTRUMENTS  
RATE-OF-CLIMB INDICATORS  
STALL-WARNING INDICATORS  
VERTICAL INDICATORS  
YAWMETERS

**HORMONES**

NT ADRENAL MEDULLA HORMONES  
ADRENOCORTICOTROPIC HORMONE  
ADRENOCORTICOTROPIC HORMONES  
CORTICOSTEROID AGENTS  
EPINEPHRINE  
LEVATERENOL  
PITUITARY HORMONES  
RT DRUGS  
ENDOCRINE GLANDS  
LIPIDS  
SEX GLANDS

**HORN ANTENNAS**

BT ANTENNA CONFIGURATIONS  
ANTENNAS

**Horns (Antennae)**  
USE ANTENNA FEEDS

**HOSE FITTINGS**

BT FITTINGS  
RT COUPLINGS  
DISCONNECT FITTINGS  
SELF-SEALING COUPLINGS

**HOSES**

NT FUEL HOSE  
RT PIPES

**Hospital beds**

USE MEDICAL EQUIPMENT

**Hot-cold tubes**

USE NILSCH TUBES

**Hot-air anemometers**

USE ANEMOMETERS

**HOVERING**

RT TRANSITION FLIGHT

**Hubs**

USE PROPELLER HUBS

**Human centrifuges**

USE CENTRIFUGES

**HUMAN ENGINEERING**

UF Biotechnology  
RT APPLIED PSYCHOLOGY  
CYBERNETICS  
ENGINEERING  
INDUSTRIAL PSYCHOLOGY  
MAN-MACHINE SYSTEMS  
POSITIONING REACTIONS

**HUMIDITY**

UF Atmospheric moisture content  
NT DEW POINT  
RT ATMOSPHERIC CONDENSATION  
METEOROLOGICAL PARAMETERS  
MOISTURE  
VAPOR PRESSURE  
WATER VAPOR

**HUMIDITY CABINETS**

UF Fog cabinets

**Humidity-sensitive elements**

USE HYGROMETERS

**HURRICANE TRACKING**

BT METEOROLOGY

**Hurricanes**

USE TROPICAL CYCLONES

**Hybrid computers**

USE ANALOG-DIGITAL COMPUTERS

**HYDRAULIC ACTUATORS**

BT ACTUATORS  
RT HYDRAULIC SERVOMECHANISMS

**HYDRAULIC BRAKES**

BT BRAKES

**HYDRAULIC COUPLINGS**

BT COUPLINGS  
FITTINGS  
RT DISCONNECT FITTINGS  
FLEXIBLE COUPLINGS  
SELF-SEALING COUPLINGS

**HYDRAULIC FLUIDS**

UF Hydraulic gear fluids  
Hydraulic oils  
Recoil fluids  
RT MINERAL OILS  
OILS

**Hydraulic gear fluids**

USE HYDRAULIC FLUIDS

**HYDRAULIC MODELS**

(Models used for predicting hydraulic characteristics of larger devices or for simulating the full-scale environment of such larger devices)

UF River models  
BT HYDRODYNAMIC CONFIGURATIONS  
MODELS (SIMULATIONS)  
RT HYDROLOGY  
PLANING SURFACES  
SIMULATION

**Hydraulic oils**

USE HYDRAULIC FLUIDS

**HYDRAULIC PRESSURE PUMPS**

BT PUMPS

**HYDRAULIC SERVOMECHANISMS**

BT SERVOMECHANISMS  
RT HYDRAULIC ACTUATORS  
HYDRAULIC VALVES  
SERVOMOTORS

**HYDRAULIC SYSTEMS**

BT AIRCRAFT SYSTEMS

**HYDRAULIC VALVES**

BT VALVES  
RT HYDRAULIC SERVOMECHANISMS

**HYDRAZINES**

UF Oxidizing

**HYDRO-SKIS**

BT AIRCRAFT EQUIPMENT  
HYDRODYNAMIC CONFIGURATIONS  
HYDROFOILS  
LANDING GEAR  
PLANING SURFACES  
RT SEAPLANE FLOATS

**HYDROCARBONS**

BT ORGANIC COMPOUNDS

**Hydrocortisone**

USE CORTICOSTEROID AGENTS

**HYDRODYNAMIC CONFIGURATIONS**

NT FLYING BOAT HULLS  
HYDRAULIC MODELS  
HYDRO-SKIS  
HYDROFOILS  
PLANING SURFACES  
SEAPLANE FLOATS  
RT AERODYNAMIC CONFIGURATIONS  
CONTROL SURFACES  
FLUID DYNAMIC PROPERTIES  
GEOMETRIC FORMS

**Hydrodynamic properties**

USE FLUID DYNAMIC PROPERTIES

**HYDRODYNAMICS**

BT DYNAMICS  
FLUID MECHANICS

**MECHANICS**

NT HYDROPLANING  
RT HYDROSTATICS

**HYDROFOILS**

UF Hydroplanes  
BT HYDRODYNAMIC CONFIGURATIONS  
PLANING SURFACES  
FLYING BOAT HULLS  
HYDRO-SKIS  
SEAPLANE FLOATS

**HYDROGEN**

BT GROUP I ELEMENTS  
NON-METALS

**Hydrogen bomb tests**

USE NUCLEAR EXPLOSIONS

**HYDROGEN COMPOUNDS**

**HYDROGEN EMBRITTLEMENT**

BT BRITTLENESS

RT MECHANICAL PROPERTIES

**Hydrogen ion concentration**

USE PH

**HYDROGEN PEROXIDE**

**HYDROLASES**

UF Hydrolyzing enzymes  
BT ENZYMES  
NT PHOSPHORIC MONOESTER  
HYDROLASES

**HYDROLOGY**

NT DRAINAGE  
FLOODS  
RT EROSION  
HYDRAULIC MODELS

**HYDROLYSIS**

BT CHEMICAL REACTIONS  
DECOMPOSITION

**Hydrolyzing enzymes**

USE HYDROLASES

**Hydrometers**

USE DENSIMETERS

**HYDROPHONES**

BT ACOUSTIC EQUIPMENT  
TRANSDUCERS  
TRANSDUCERS (ACOUSTIC)  
UNDERWATER EQUIPMENT  
RT ACOUSTIC RANGES

**Hydrophytes**

USE ALGAE

**Hydroplaning**

USE HYDROFOILS

**HYDROPLANING**

UF Aquaplaning  
BT HYDRODYNAMICS  
RT FLUID DYNAMIC PROPERTIES

**HYDROSTATICS**

BT FLUID MECHANICS  
MECHANICS  
STATICS

RT HYDRODYNAMICS

**HYGROMETERS**

UF Humidity-sensitive elements  
Moisture meters  
Psychrometers  
BT METEOROLOGICAL INSTRUMENTS  
METERS

**Hyperbolic functions**

USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**HYPERBOLIC NAVIGATION**

(Determination of lines of position by measurements of the difference in distance of the navigation apparatus from two or more stations of known position)

BT NAVIGATION  
RT CELESTIAL NAVIGATION  
GUIDANCE  
LORAN  
POSITION FINDING  
RADIO NAVIGATION  
SHORAN

**Hyperbolic systems**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Hypercholesterolemia**

USE BLOOD DISORDERS

**Hypercholesterolemia**  
USE PARTIAL DIFFERENTIAL EQUATIONS

**Hypergeometric functions**  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**HYPERGLYCEMIA**

RT METABOLISM DISORDERS

**Hyperpyrexia**

USE FEVERS

**Hypersensitivity**

USE ALLERGY

**HYPERSONIC CHARACTERISTICS**

BT AERODYNAMIC CHARACTERISTICS  
FLUID DYNAMIC PROPERTIES

**HYPERSONIC FLIGHT**

BT FLIGHT

**HYPERSONIC FLOW**

BT FLUID FLOW  
GAS FLOW

**HYPERSONIC PLANES**

BT AIRCRAFT  
AIRPLANES

**HYPERSONIC WIND TUNNELS**

BT WIND TUNNELS  
RT SHOCK TUBES

**HYPERTENSION**

BT BLOOD PRESSURE  
RT HYPOTENSION

**Hyperthermia**

USE FEVERS

**Hyperventilation**

USE OXYGEN  
and POISONING

**HYPOTENSION**

BT BLOOD PRESSURE  
RT HYPERTENSION

**HYPOTHERMIA**

UF Induced hypothermia  
RT ANESTHESIA  
ANESTHETICS  
BODY TEMPERATURE  
HIBERNATION

**Hypoxemia**

USE BLOOD  
and OXYGEN

**HYPOXIA**

UF Anoxia  
RT BLACKOUT (PHYSIOLOGY)

**HYPSOMETERS**

BT METEOROLOGICAL INSTRUMENTS  
RT ALTIMETERS

**HYSTERESIS**

(Magnetic electrical and mechanical)

RT DAMPING

ELECTRICAL PROPERTIES  
INDUCTION HEATING  
MAGNETIC PROPERTIES

**ICE**

RT ATMOSPHERIC CONDENSATION  
ICE-FORMATION INDICATORS  
SNOW  
WATER

**Ice charts**

USE NAVIGATION CHARTS

**ICE-00**

BT ATMOSPHERIC CONDENSATION  
FOG

RT CLOUDS  
HAZE

**ICE PREVENTION**

**ICE-FORMATION INDICATORS**

BT METEOROLOGICAL INSTRUMENTS  
RT DE-ICING SYSTEMS  
ICE

**ICONSOCOPES**

UF Oscilloscopes  
Television pickup tubes  
BT ELECTRON TUBES  
IMAGE TUBES  
RT CATHODE RAY TUBES  
TELEVISION CAMERAS

**IDENTIFICATION**

UF Markers (Electronic)  
**IDENTIFICATION LIGHTS**

BT SIGNAL LIGHTS  
SIGNALS

RT MARKER LIGHTS

**IDENTIFICATION SYSTEMS**

UF Electronic recognition systems  
Infrared identification systems

**IDENTIFICATION SYSTEMS (Con.)**

Radar identification systems  
 BT DETECTION  
 DETECTORS  
 RT TARGET RECOGNITION TRACKING  
**IGNITION**  
 NT AUTOIGNITION  
 SPARK IGNITION  
 RT IGNITION SYSTEMS  
*Ignition cartridges*  
 USE CARTRIDGES (PAD)  
**IGNITION SYSTEMS**  
 UF Airplane engine ignition systems  
 BT ENGINE STRUCTURES  
 RT ENGINE STARTERS  
 IGNITION  
 POWER PLANTS (AIRCRAFT)  
 SPARK IGNITION  
*Ileum*  
 USE INTESTINES  
*Ill-conditioned matrices*  
 USE NUMERICAL ANALYSIS  
*Illiteracy*  
 USE EDUCATION  
**ILLUMINATION**  
 BT OPTICAL PROPERTIES  
 RT BRIGHTNESS  
 DISTORTION  
 FLARES  
 FOCUSING  
 LIGHT TRANSMISSION  
 VISIBILITY  
**ILLUSIONS**  
 UF Auditory illusions  
 Optical illusions  
*Image intensifier tubes*  
 USE IMAGE INTENSIFIERS (ELECTRONICS)  
**IMAGE INTENSIFIERS (ELECTRONICS)**  
 UF Image intensifier tubes  
 RT LASERS  
 OPTICAL EQUIPMENT COMPONENTS  
*Image orthicons*  
 USE CAMERA TUBES  
**IMAGE TUBES**  
 BT ELECTRON TUBES  
 NT CAMERA TUBES  
 ICONOSCOPES  
 RT CATHODE RAY TUBES  
**IMAGES**  
 NT OPTICAL IMAGES  
 RADAR ECHO AREAS  
 RADAR IMAGES  
 RT AFTERIMAGES  
 DISPLAY SYSTEMS  
*Imidoxanthine*  
 USE PURINES  
*Impact prediction*  
 USE MATHEMATICAL PREDICTION  
**IMPACT SHOCK**  
 BT SHOCK (MECHANICS)  
 NT LANDING IMPACT  
*Impact toughness*  
 USE TOUGHNESS  
*Impact tubes*  
 USE PITOT TUBES  
*Impedance (Acoustic)*  
 USE ACOUSTIC IMPEDANCE  
*Impedance (Elec. cat)*  
 USE ELECTRICAL IMPEDANCE  
**IMPEDANCE BRIDGES**  
 BT ELECTRIC BRIDGES  
 RT CAPACITANCE BRIDGES  
**IMPEDANCE MATCHING**  
 RT ACOUSTIC IMPEDANCE  
 ELECTRICAL IMPEDANCE  
**IMPELLERS**  
 UF Rotors (Impellers)  
 Supercharger impellers  
 RT CENTRIFUGAL PUMPS  
 GAS TURBINE BLADES  
 GAS TURBINE ROTORS  
 ROTOR BLADES  
 (TURBOMACHINERY)  
 TURBINE BLADES  
 TURBINE STATORS  
 TURBINE WHEELS  
*Impingers*  
 USE SAMPLERS  
**IMPURITIES**  
*In-flight feeding*  
 USE FOOD DISPENSING

**INCANDESCENT LAMPS**

RT LIGHTING EQUIPMENT  
**INCENDIARY PROJECTILES**  
 BT Projectiles  
*INCLUDES*  
 USE CRYSTAL GROWTH  
**INCOMPRESSIBLE FLOW**  
*(Fluid motion without change in density.)*  
 BT FLUID FLOW  
 GAS FLOW  
 RT COMPRESSIBLE FLOW  
**INDEXES**  
 BT DOCUMENTATION  
 RT CATALOGS  
 CLASSIFICATION  
 INFORMATION RETRIEVAL  
 LIBRARIES  
 SUBJECT INDEXING  
**INDICATOR LIGHTS**  
 BT SIGNAL LIGHTS  
*Induced hibernation*  
 USE HIBERNATION  
*Induced hyperthermia*  
 USE FEVERS  
*Induced hypothermia*  
 USE HYPOTHERMIA  
**INDUCTION HEATING**  
 BT HEATING  
 RT HYSTERESIS  
**INDUCTION SYSTEMS**  
*(Systems in internal combustion engines that provide for vaporization of fuels.)*  
 RT AIR-INTAKE FILTERS  
 AIRPLANE ENGINE DUCTS  
 JET ENGINE INLETS  
 POWER PLANTS (AIRCRAFT)  
*Industrial diamonds*  
 USE DIAMONDS  
**INDUSTRIAL EQUIPMENT**  
 RT DRILLING MACHINES  
**INDUSTRIAL PLANTS \***  
 UF Plants (Engineering)  
 NT NUCLEAR POWER PLANTS  
 RT ECONOMICS  
 INDUSTRIAL RELATIONS  
 INDUSTRIES  
 MACHINE TOOLS  
 MACHINES  
 SITE SELECTION  
**INDUSTRIAL PROCUREMENT**  
 BT DISTRIBUTION (ECONOMICS)  
 RT GOVERNMENT PROCUREMENT  
**INDUSTRIAL PRODUCTION**  
 RT BUDGETS  
 COMMERCE  
 COSTS  
 DISTRIBUTION (ECONOMICS)  
**INDUSTRIAL PSYCHOLOGY**  
 BT APPLIED PSYCHOLOGY  
 PSYCHOLOGY  
 RT APTITUDE TESTS  
 HUMAN ENGINEERING  
 PSYCHOMETRICS  
*Industrial radiography*  
 USE RADIOGRAPHY  
**INDUSTRIAL RELATIONS**  
 NT LABOR UNIONS  
 RT ECONOMICS  
 EMPLOYEE RELATIONS  
 INDUSTRIAL PLANTS  
 INDUSTRIES  
 LABOR  
 PERSONNEL MANAGEMENT  
**INDUSTRIAL RESEARCH**  
 RT ARMED FORCES RESEARCH  
 ENGINEERING  
 MEDICAL RESEARCH  
 OPERATIONS RESEARCH  
 RESEARCH PROGRAM  
 ADMINISTRATION  
 SCIENTIFIC ORGANIZATIONS  
 SCIENTIFIC RESEARCH  
**INDUSTRIAL TRAINING**  
 BT TRAINING  
**INDUSTRIES**  
 NT AIRCRAFT INDUSTRY  
 RT ECONOMICS  
 INDUSTRIAL PLANTS  
 INDUSTRIAL RELATIONS  
*Inert atmospheres*  
 USE CONTROLLED ATMOSPHERES  
*Inert gases*  
 USE HELIUM GROUP GASES

**INERTIAL GUIDANCE**

BT GUIDANCE  
 RT TERMINAL GUIDANCE SYSTEMS  
**INERTIAL NAVIGATION**  
 BT NAVIGATION  
**INFANTS**  
 UF Babies  
 Newborn  
 BT MAMMALS  
 MAN  
 PRIMATES  
 RT CHILDREN  
**INFECTIONS**  
 BT DISEASES  
*Inflammability*  
 USE FLAMMABILITY  
*Inflatable devices*  
 USE INFLATABLE STRUCTURES  
**INFLATABLE STRUCTURES**  
 UF Inflatable devices  
 RT STRUCTURES  
 NT BALLOONS  
 METEOROLOGICAL BALLOONS  
 RT AIRCRAFT  
 EXTENDABLE STRUCTURES  
 LIFE RAFTS  
**INFORMATION RETRIEVAL**  
*(The use of computers, electronic accounting machines, and similar mechanical devices to organize, store, and retrieve recorded information. For the use of ordinary methods - such activities, see DOCUMENTATION.)*  
 RT COMPUTERS  
 DOCUMENTATION  
 ELECTRONIC ACCOUNTING MACHINES  
 INDEXES  
 MACHINE TRANSLATION  
*Information theory*  
 USE COMMUNICATION THEORY  
*Infrared bearing finders*  
 USE DIRECTION FINDING  
 and INFRARED EQUIPMENT  
**INFRARED DETECTORS**  
 UF Infrared searchlights  
 BT INFRARED EQUIPMENT  
*Infrared direction finders*  
 USE DIRECTION FINDING  
 and INFRARED EQUIPMENT  
**INFRARED EQUIPMENT**  
 UF Infrared bearing finders  
 Infrared direction finders  
 Infrared identification systems  
 BT OPTICAL EQUIPMENT  
 NT INFRARED DETECTORS  
 INFRARED FILTERS  
 RT COMMUNICATION EQUIPMENT  
 INFRARED OPTICAL SYSTEMS  
 INFRARED  
 SPECTROPHOTOMETERS  
 OPTICAL INSTRUMENTS  
**INFRARED FILTERS**  
 BT INFRARED EQUIPMENT  
 OPTICAL EQUIPMENT  
 COMPONENTS  
 OPTICAL FILTERS  
 RT PHOTOGRAPHIC FILTERS  
 RADIOFREQUENCY FILTERS  
*Infrared identification systems*  
 USE IDENTIFICATION SYSTEMS  
 and INFRARED EQUIPMENT  
**INFRARED OPTICAL MATERIALS**  
 RT OPTICAL GLASS  
**INFRARED OPTICAL SYSTEMS**  
 RT INFRARED EQUIPMENT  
 OPTICAL EQUIPMENT  
**INFRARED RADIATION**  
 BT ELECTROMAGNETIC WAVES  
 HEAT TRANSFER  
 OPTICAL PHENOMENA  
 RT BLACKBODY RADIATION  
 HEAT  
 LIGHT  
 MICROWAVES  
 THERMAL RADIATION  
*Infrared searchlights*  
 USE INFRARED DETECTORS  
**INFRARED SPECTROPHOTOMETERS**  
 BT OPTICAL INSTRUMENTS  
 PHOTOMETERS  
 SPECTROPHOTOMETERS  
 SPECTRUM ANALYZERS  
 RT INFRARED EQUIPMENT

**INFRARED SPECTROSCOPY**

BT SPECTROSCOPY  
*Infusions (Parenteral)*  
 USE PARENTERAL INFUSIONS  
**INGESTION (ENGINES)**  
 UF Bird ingestion  
 RT AVIATION ACCIDENTS  
 AVIATION SAFETY  
**INHIBITION**  
*Inhibitors (Oxidation)*  
 USE ANTIOXIDANTS  
*Initial approach*  
 USE APPROACH  
**INJECTION**  
 NT FUEL INJECTION  
 WATER INJECTION  
 RT INJECTORS  
**INJECTORS**  
 BT PUMPS  
 NT FUEL INJECTORS  
 RT INJECTION  
*Injuries*  
 USE WOUNDS & INJURIES  
**INK**  
 RT PRINTING  
 TYPEWRITERS  
**INLET GUIDE VANES**  
 BT GUIDE VANES  
 RT DUCT INLETS  
 DUCTED BODIES  
 ORIFICES  
**INORGANIC COMPOUNDS**  
 BT CHEMICAL COMPOUNDS  
 NT SILICIC ACIDS  
 RT ALKALI METAL COMPOUNDS  
 ALKALINE EARTH COMPOUNDS  
 HALOGEN COMPOUNDS  
**INPUT-OUTPUT DEVICES**  
 BT COMPUTER STORAGE DEVICES  
 NT ANALOG-TO-DIGITAL  
 CONVERTERS  
 DIGITAL-TO-ANALOG  
 CONVERTERS  
 MAGNETIC TAPE  
 PUNCHED CARDS  
 PUNCHED TAPE  
 READING MACHINES  
**INSECT CONTROL**  
 ST PEST CONTROL  
 RT INSECTICIDES  
**INSECTICIDES**  
 UF Chloridan  
 BT PESTICIDES  
 RT INSECT CONTROL  
**INSTALLATION**  
**INSTRUCTION MANUALS**  
 RT HANDBOOKS  
 MILITARY PUBLICATIONS  
**INSTRUCTORS**  
 UF Teachers  
 BT PERSONNEL  
 RT AVIATION PERSONNEL  
 EDUCATION  
 ENGINEERING PERSONNEL  
 OPERATORS (PERSONNEL)  
 PROFESSIONAL PERSONNEL  
 SCIENTIFIC PERSONNEL  
 TRAINING DEVICES  
**INSTRUMENT DIALS**  
 RT FLIGHT INSTRUMENTS  
**INSTRUMENT FLIGHT**  
 BT FLIGHT  
 RT NIGHT FLIGHT  
 VISUAL FLIGHT  
**INSTRUMENT GREASES**  
 BT GREASES  
 LUBRICANTS  
**INSTRUMENT LANDINGS**  
 BT LANDING  
 RT AIRCRAFT INTERCEPT CONTROL  
 SYSTEMS  
 ALL-WEATHER AVIATION  
 AVIATION SAFETY  
 CARRIER LANDINGS  
 GLIDE PATH  
 GLIDE-PATH SYSTEMS  
 GROUND-CONTROLLED  
 APPROACH RADAR  
 MISSED APPROACH  
 NIGHT LANDINGS  
 RADAR LANDING CONTROL  
**INSTRUMENT PANELS**  
 BT CONTROL PANELS  
 RT FLIGHT INSTRUMENTS

**Instrumental variables**  
 USE PROBABILITY  
**INSTRUMENTATION**  
 UF Biom instrumentation  
**Insulation (Acoustic)**  
 USE ACOUSTIC INSULATION  
**Insulation (Electric)**  
 USE ELECTRIC INSULATION  
**Insulation (Mechanical)**  
 USE VIBRATION ISOLATORS  
**Insulation (Thermal)**  
 USE THERMAL INSULATION  
**Insulators (Acoustic)**  
 USE ACOUSTIC INSULATION  
**Insulators (Electric)**  
 USE ELECTRIC INSULATION  
**Insulators (Thermal)**  
 USE THERMAL INSULATION  
**INTEGRAL EQUATIONS**  
 UF Cauchy kernels  
 Fredholm integral equation  
 Fredholm theory  
 Schmidt theory  
 Transport theory  
 Volterra's integral equation  
 Wiener-Hopf equations  
**Integral functions**  
 USE FUNCTIONS  
**INTEGRAL TRANSFORMS**  
 UF Fourier transforms  
 Hermite transforms  
 Hilbert's transforms  
 Laguerre transforms  
 Laplace transform  
 Mellin transform  
 Pansons  
 Poisson transform  
 Sturm-Liouville transform  
 BT TRANSFORMATIONS  
 (MATHEMATICS)  
**INTEGRALS**  
 UF Airy-Hardy integrals  
 Divergent integrals  
 Fresnel integrals  
 Kessel integrals  
 Mitchell's integral  
 Poisson's integral  
 Riesz integrals  
 Shetler integrals  
 Wiener integrals  
**INTEGRATED CIRCUITS**  
 BT CIRCUITS  
 RT MICROMINIATURIZATION  
 (ELECTRONICS)  
 MOLECULAR ELECTRONICS  
 PACKAGED CIRCUITS  
**INTEGRATION**  
 UF Lagrange formalism  
**INTEGUMENTARY SYSTEM**  
 RT BODY  
 MUSCULOSKELETAL SYSTEM  
**Intelligence (Military)**  
 USE MILITARY INTELLIGENCE  
**Intelligence (Technological)**  
 USE TECHNOLOGICAL INTELLIGENCE  
**INTELLIGENCE TESTS**  
 (Tests to determine mental age, i.e. relative capacity to absorb information, solve problems, or to learn apart from actual achievement.)  
 UF Binet tests  
 Mental tests  
 Wechsler scales  
 BT PSYCHOMETRICS  
 RT ACHIEVEMENT TESTS  
 APTITUDE TESTS  
**INTELLIGIBILITY**  
**INTENSITY**  
 RT EMISSIVITY  
**INTERCEPTION**  
 NT AIRCRAFT INTERCEPTION  
 RT TERMINAL GUIDANCE SYSTEMS  
**INTERCOMMUNICATION SYSTEMS**  
 UF Interphones  
 BT COMMUNICATION SYSTEMS  
 RT PUBLIC ADDRESS SYSTEMS  
 VOICE COMMUNICATION SYSTEMS  
**Intercoolers**  
 USE HEAT EXCHANGERS  
**Interface properties**  
 USE SURFACE PROPERTIES

**Interfacial tension**  
 USE SURFACE TENSION  
**INTERFERENCE**  
 RT ATMOSPHERE  
**INTERFERENCE ANALYZERS**  
 UF Radio interference analyzers  
 RT NOISE ANALYZERS  
 RADAR INTERFERENCE  
 RADIO INTERFERENCE  
**INTERFEROMETERS**  
 BT OPTICAL INSTRUMENTS  
 RT SCHLIEREN PHOTOGRAPHY  
 SPECTRUM ANALYZERS  
**INTERMEDIATE FREQUENCY**  
 (A frequency resulting from the combination of a received modulated carrier frequency and a locally generated oscillator frequency.)  
 RT MIXERS (ELECTRONIC)  
**INTERMEDIATE FREQUENCY AMPLIFIERS**  
 BT AMPLIFIERS  
**INTERNAL COMBUSTION ENGINES**  
 NT DIESEL ENGINES  
 GAS GENERATOR ENGINES  
**Interphones**  
 USE INTERCOMMUNICATION SYSTEMS  
**INTERROGATORS**  
 (Pulse transmitters used exclusively for exciting a transponder.)  
 BT PULSE TRANSMITTERS  
 RT TRANSPONDERS  
**Intersensory perception**  
 USE SENSORY MECHANISMS  
**INTESTINES**  
 UF Colon  
 Duodenum  
 Ileum  
 Large intestine  
 Sigmoid colon  
 BT GASTROINTESTINAL SYSTEM  
**Intravenous feeding**  
 USE PARENTERAL INFUSIONS  
**Inverse hyperbolic functions**  
 USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)  
**INVERTER CIRCUITS**  
 (Circuits that take in positive signals and put out negative ones, or vice versa.)  
 BT CIRCUITS  
 RT COUPLING CIRCUITS  
 PACKAGED CIRCUITS  
 TEST EQUIPMENT  
 (ELECTRONICS)  
 VIBRATORS (ELECTRICAL)  
 VOLTAGE REGULATORS  
**Investment casting**  
 USE CASTING  
**IODINE**  
 BT GROUP VII ELEMENTS  
 HALOGENS  
 NON-METALS  
**ION BEAMS**  
 RT IONIC CURRENT  
**ION BOMBARDMENT**  
**IONIC CURRENT**  
 BT ELECTRICITY  
 RT GAS DISCHARGES  
 GAS IONIZATION  
 ION BEAMS  
**IONIZATION**  
 UF Ionizing effects  
 NT GAS IONIZATION  
**Ionizing effects**  
 USE IONIZATION  
**IONOSPHERE**  
 BT ATMOSPHERE  
 RT IONOSPHERIC DISTURBANCES  
**IONOSPHERIC DISTURBANCES**  
 RT IONOSPHERE  
 MAGNETIC STORMS  
 RADIOFREQUENCY INTERFERENCE  
**IONOSPHERIC PROPAGATION**  
 BT PROPAGATION  
 WAVE TRANSMISSION  
 RT MULTIPATH TRANSMISSION  
 RADIO TRANSMISSION  
**Ionospheric sounding**  
 USE ATMOSPHERIC SOUNDING

**IONS**  
 (Electrically charged molecular fragments or atoms. For subatomic ions, see CHARGED PARTICLES. Ions of specific elements are indexed by the compounds of the elements.)  
 NT FREE RADICALS  
**Ions (Subatomic)**  
 USE CHARGED PARTICLES  
**IRASERS**  
 BT AMPLIFIERS  
 RT LASERS  
 MASERS  
**IRON ALLOYS**  
 BT ALLOYS  
 NT STAINLESS STEEL  
 STEEL  
**IRON COMPOUNDS**  
 UF Ferric compounds  
 Ferrous compounds  
 BT CHEMICAL COMPOUNDS  
**ISOCYANATE PLASTICS**  
 UF Polymethanes  
 Polymethenes  
 BT PLASTICS  
 RT EXPANDED PLASTICS  
 SYNTHETIC RUBBER  
 THERMOPLASTICS  
 THERMOSETTING PLASTICS  
**ISOTROPISM**  
 BT SYMMETRY  
 (CRYSTALLOGRAPHY)  
 RT CRYSTAL STRUCTURE

J

**Jacks (Electricity)**  
 USE ELECTRIC CONNECTORS  
**Jacobi series**  
 USE SERIES  
**Jaws**  
 USE HEAD  
**JET BOMBERS**  
 BT AIRCRAFT  
 AIRPLANES  
 BOMBERS  
 JET PLANES  
 RT ATTACK BOMBERS  
**JET ENGINE FAIRINGS**  
 BT FAIRINGS  
 RT AIRFRAMES  
 EXHAUST FAIRINGS  
 JET ENGINE NACELLES  
 NACELLES  
**JET ENGINE FUELS**  
 BT FUELS  
 RT AVIATION FUELS  
 SCURRY FUELS  
**JET ENGINE INLETS**  
 NT RAMJET INLETS  
 TURBOJET INLETS  
 RT AIR-INTAKE FILTERS  
 AIRPLANE ENGINE DUCTS  
 DUCT INLETS  
 INDUCTION SYSTEMS  
 WING INLETS  
**JET ENGINE NACELLES**  
 BT ENGINE NACELLES  
 NACELLES  
 RT AIRCRAFT PROTUBERANCES  
 AIRFRAMES  
 JET ENGINE FAIRINGS  
**JET ENGINE NOISE**  
 BT ENGINE NOISE  
 NOISE  
 RT JET PLANE NOISE  
**JET ENGINES**  
 NT PULSEJET ENGINES  
 RAMJET ENGINES  
 TURBO-RAMJETS  
 TURBOFAN ENGINES  
 TURBOJET ENGINES  
 TURBOPROPPELLER JET ENGINES  
 RT AIRPLANE ENGINES  
 JET PROPULSION  
 ROCKET MOTORS  
**JET FIGHTERS**  
 BT AIRCRAFT  
 AIRPLANES

**FIGHTERS**  
 JET PLANES  
**Jet flame holders**  
 USE FLAME HOLDERS  
**JET FLAPS**  
 (Thin sheet of fluid air discharged close to the trailing edge of a wing to prevent boundary layer separation.)  
 UF Jet-augmented flaps  
 RT BOUNDARY LAYER CONTROL SYSTEMS  
 RT FLAPS  
**JET FLYING BOATS**  
 BT AIRCRAFT  
 AIRPLANES  
 FLYING BOATS  
 JET ANES  
 I-BASED AIRPLANES  
**JET HELICOPTER ROTORS**  
 UF Aeolipile rotors  
 Ducted propellers (int. ducting)  
 Rocket helicopter rotors  
 BT AERODYNAMIC CONFIGURATIONS  
 HELICOPTER ROTORS  
 ROTARY WINGS  
 WINGS  
**JET MIXING FLOW**  
 BT FLUID FLOW  
 RT AXIALLY SYMMETRIC FLOW  
 GAS FLOW  
 JETS  
 TURBULENCE  
**JET PLANE NOISE**  
 BT NOISE  
 RT AIRPLANE NOISE  
 JET ENGINE NOISE  
 SONIC BOOM  
**JET PLANES**  
 BT AIRCRAFT  
 AIRPLANES  
 NT JET BOMBERS  
 JET FIGHTERS  
 JET FLYING BOATS  
 JET TRAINING PLANES  
 JET TRANSPORT PLANES  
 RT AMPHIBIAN PLANES  
**JET PROPULSION**  
 UF Ramjet propulsion  
 BT PROPULSION  
 RT JET ENGINES  
**JET PUMPS**  
 UF Ejectors  
 Ejectors (Fluid)  
 BT PUMPS  
 NT AIR EJECTORS  
 RT EJECTION  
**Jet routes**  
 USE AIR ROUTES  
**JET STREAMS (METEOROLOGY)**  
 BT ATMOSPHERIC MOTION  
 METEOROLOGICAL PHENOMENA  
 WIND  
**JET TRAINING PLANES**  
 BT AIRCRAFT  
 AIRPLANES  
 JET PLANES  
 TRAINING DEVICES  
 TRAINING PLANES  
**JET TRANSPORT PLANES**  
 BT AIRCRAFT  
 AIRPLANES  
 JET PLANES  
 TRANSPORT PLANES  
 RT SUPERSONIC TRANSPORTS  
**JET VANES**  
 BT GUIDE VANES  
 THRUST VECTOR CONTROL SYSTEMS  
**Jet-augmented flaps**  
 USE JET FLAPS  
**JETS**  
 BT FLUID FLOW  
 NT PLASMA JETS  
 RT CONTROL JETS  
 JET MIXING FLOW  
 TURBULENCE  
**JETTISONABLE COCKPITS**  
 UF Aircraft escape capsules  
 BT AIRCRAFT EQUIPMENT  
 COCKPITS  
 JETTISONABLE EQUIPMENT  
 RT AIRCRAFT CABINS  
 EJECTION SEATS  
 PRESSURIZED CABINS

## JETTISONABLE EQUIPMENT

**JETTISONABLE EQUIPMENT**  
 BT AIRCRAFT EQUIPMENT  
 NT EJECTION SEATS  
 EXTERNAL STORES  
 JETTISONABLE COCKPITS  
 RT AIRCRAFT CABINS  
 AIRCRAFT PROTUBERANCES  
 FAIRINGS  
 LANDING GEAR  
 NACELLES  
**JOB ANALYSIS**  
 UF Position descriptions  
 Task analysis  
 BT PERSONNEL MANAGEMENT  
 RT EMPLOYEE RELATIONS  
 LABOR UNIONS  
**JOINTS**  
 NT BOLTED JOINTS  
 BONDED JOINTS  
 METAL JOINTS  
 RIVETED JOINTS  
 SOLDERED JOINTS  
 WELDS  
 RT ADHESIVES  
 BONDING  
 HOOKS  
 LOCKING FASTENER DEVICES  
 MECHANICAL FASTENERS  
 STRUCTURAL PARTS  
**JOINTS (PHYSIOLOGY)**  
 UF Shoulder  
 BT MUSCULOSKELETAL SYSTEM  
 RT BONE  
 SKELETON  
 SPINAL COLUMN  
**Junction transistors**  
 USE TRANSISTORS  
**Jungle tests**  
 USE TROPICAL TESTS  
**JUNGLES**  
 BT TERRAIN  
 RT TREES

## K

**K BAND**  
 (11,000 to 36,000 mc.)  
 BT FREQUENCY  
 MICROWAVE FREQUENCY  
 RADIOFREQUENCY  
 RT MILLIMETER WAVES  
**Kangaroo rats**  
 USE RODENTS  
**Kassel integrals**  
 USE INTEGRALS  
**KEL-I**  
 USE HALOCARBON PLASTICS  
**Kellog-Evans theorem**  
 USE PARTIAL DIFFERENTIAL  
 EQUATIONS  
**KEROSENE**  
 BT FUELS  
 RT PETROLEUM  
**Keyers (Frequency shift)**  
 USE FREQUENCY-SHIFT KEYERS  
**Keyers (Pulse generators)**  
 USE PULSE GENERATORS  
**KIDNEYS**  
 UF Renal hemodynamics  
**Kinematics**  
 USE MECHANICS  
**Kinetics**  
 USE DYNAMICS  
**KLESSIELLA**  
 BT BACTERIA  
 ENTEROBACTERIACEAE  
**Kleene partial recursive  
 functionals**  
 USE MATHEMATICAL LOGIC  
**Klein spaces**  
 USE FUNCTIONAL ANALYSIS  
**KLYSTRONS**  
 BT ELECTRON TUBES  
**Knife switches**  
 USE ELECTRIC SWITCHES  
**Knobs**  
 USE CONTROL KNOBS

**Kohn-hutten variational principle**  
 USE OPERATORS (MATHEMATICS)  
**Kolmogoroff's equation**  
 USE PROBABILITY  
**Kolmogorov statistics**  
 USE STATISTICAL ANALYSIS  
**Krein-Smulen theorem**  
 USE FUNCTIONAL ANALYSIS  
**Krons method**  
 USE ALGEBRAIC TOPOLOGY  
**Kummer functions**  
 USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)  
**Kuranishi theory**  
 USE ALGEBRAIC TOPOLOGY

## L

**L BAND**  
 (390 to 1550 mc.)  
 BT FREQUENCY  
 RADIOFREQUENCY  
**L-ideals**  
 USE ALGEBRA  
**Labeled substances**  
 UF Tracers (Labeled substances)  
 RT RADIOACTIVE ISOTOPES  
 TRACER STUDIES  
**LABOR**  
 RT EMPLOYEE RELATIONS  
 INDUSTRIAL RELATIONS  
 PERSONNEL MANAGEMENT  
**LABOR UNIONS**  
 UF Trade unions  
 BT EMPLOYEE RELATIONS  
 INDUSTRIAL RELATIONS  
 PERSONNEL MANAGEMENT  
 RT JOB ANALYSIS  
**LABORATORIES**  
 NT AERONAUTICAL LABORATORIES  
 MATHEMATICS LABORATORIES  
 MEDICAL LABORATORIES  
 NAVAL RESEARCH  
 LABORATORIES  
 RT RANGES (ESTABLISHMENTS)  
 TEST FACILITIES  
**LABORATORY ANIMALS**  
 UF Experimental animals  
 BT ANIMALS  
**LABORATORY EQUIPMENT**  
**Labyrinth (Ear)**  
 USE EAR  
**Labyrinth glands**  
 USE GAS SEALS  
**Lacquer removers**  
 USE PAINT REMOVERS  
**Lacquers**  
 USE VARNISHES  
**Lading**  
 USE CARGO  
**Lagrange formalism**  
 USE INTEGRATION  
**Lagrange interpolation formula**  
 USE NUMERICAL ANALYSIS  
**Lagrange multipliers**  
 USE NUMERICAL ANALYSIS  
 and PARTIAL DIFFERENTIAL  
 EQUATIONS  
**LAGUERRE FUNCTION**  
 USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)  
**Laguerre transforms**  
 USE INTEGRAL TRANSFORMS  
**Lambert series**  
 USE SERIES  
**LAMINAR BOUNDARY LAYER**  
 BT BOUNDARY LAYER  
 FLUID DYNAMIC PROPERTIES  
 FLUID FLOW  
 RT BOUNDARY LAYER CONTROL  
 BOUNDARY LAYER TRANSITION  
 LAMINAR FLOW  
**LAMINAR FLOW**  
 BT FLUID FLOW  
 RT LAMINAR BOUNDARY LAYER  
**LAMINATED GLASS**  
 BT GLASS

**LAMINATES**  
**LAMINATED PLASTICS**  
 UF Plastic laminates  
 BT LAMINATES  
 PLASTICS  
 RT FILAMENT WOUND  
 CONSTRUCTION  
 SANDWICH CONSTRUCTION  
**LAMINATES**  
 NT LAMINATED GLASS  
 LAMINATED PLASTICS  
 PLYWOOD  
**Lamplack**  
 USE CARBON BLACK  
**Lancze's matrix iteration method**  
 USE NUMERICAL METHODS AND  
 PROCEDURES  
**LAND USE**  
 RT ECONOMICS  
**LANDING**  
 (Landing of aircraft or spacecraft on  
 the earth or on celestial bodies.)  
 NT CARRIER LANDINGS  
 INSTRUMENT LANDINGS  
 NIGHT LANDINGS  
 RT APPROACH  
 AVIATION SAFETY  
 DESCENT  
 FLAREOUT  
 FLIGHT  
 FLIGHT PATHS  
 LANDING MATS  
 MISSED APPROACH  
 RADAR LANDING CONTROL  
 TAKE-OFF  
 TERMINAL FLIGHT FACILITIES  
 TOUCHDOWN  
**LANDING AIDS**  
 UF Angle of approach indicators  
 BT TERMINAL FLIGHT FACILITIES  
 NT AIRPORT CONTROL TOWERS  
 APPROACH INDICATORS  
 APPROACH LIGHTS  
 ARRESTING GEAR  
 CARRIER-CONTROLLED  
 APPROACH RADAR  
 GROUND-CONTROLLED  
 APPROACH RADAR  
 RADAR LANDING CONTROL  
 RT AIR TRAFFIC CONTROL SYSTEMS  
 AIRPORTS  
 ALL-WEATHER AVIATION  
 AVIATION SAFETY  
 GLIDE-PATH SYSTEMS  
 LANDING FIELDS  
 LANDING MATS  
 RUNWAYS  
**LANDING FIELDS**  
 UF Airfields  
 BT TERMINAL FLIGHT FACILITIES  
 NT HELIPORTS  
 RT AIR TRAFFIC CONTROL SYSTEMS  
 AIRPORTS  
 ALL-WEATHER AVIATION  
 AVIATION SAFETY  
 LANDING AIDS  
 LANDING MATS  
 RUNWAYS  
**LANDING GEAR**  
 (Includes equipment for landing  
 aircraft and spacecraft.)  
 UF Ski landing gear  
 Skids  
 BT AIRCRAFT EQUIPMENT  
 NT AIRCRAFT TIRES  
 HYDRO-SKIS  
 NOSE WHEELS  
 SEAPLANE FLOATS  
 TAIL WHEELS  
 RT AIRCRAFT PROTUBERANCES  
 AIRFRAMES  
 FAIRINGS  
 JETTISONABLE EQUIPMENT  
 LANDING LIGHTS  
**LANDING GEAR DOORS**  
 BT AIRCRAFT EQUIPMENT  
 RT AIRCRAFT PROTUBERANCES  
 AIRFRAMES  
 FAIRINGS  
 NOSE WHEELS  
**LANDING IMPACT**  
 BT IMPACT SHOCK  
 RT SHOCK (MECHANICS)  
 WATER ENTRY  
**LANDING LIGHTS**  
 BT AIRCRAFT EQUIPMENT  
 LIGHTING EQUIPMENT

## THESAURUS OF FAA DESCRIPTORS

RT AIRFRAMES  
 FAIRINGS  
 LANDING GEAR  
 MARKER LIGHTS  
**LANDING MATS**  
 BT TERMINAL FLIGHT FACILITIES  
 RT APPROACH LIGHTS  
 LANDING  
 LANDING AIDS  
 LANDING FIELDS  
 RUNWAYS  
**LANGUAGE**  
 UF Philology  
 NT VOCABULARY  
 RT SPEECH  
**Lanthanum compounds**  
 USE RARE EARTH COMPOUNDS  
**Laplace difference equations**  
 USE DIFFERENCE EQUATIONS  
**Laplace transform**  
 USE INTEGRAL TRANSFORMS  
**Laplace's equation**  
 USE PARTIAL DIFFERENTIAL  
 EQUATIONS  
**LARGE INTESTINE**  
 USE INTESTINES  
**Large intestines**  
 USE INTESTINES  
**Larynx**  
 USE THROAT  
**LASERS**  
 BT AMPLIFIERS  
 OPTICAL EQUIPMENT  
 COMPONENTS  
 RT IMAGE INTENSIFIERS  
 (ELECTRONICS)  
 IRASERS  
 MASERS  
**LATERAL STABILITY**  
 USE FLIGHT CHARACTERISTICS  
**Latin squares**  
 USE COMBINATORIAL ANALYSIS  
**Lattice sums**  
 USE ALGEBRA  
**Lattices (Mathematics)**  
 USE ALGEBRA  
**LAUNCH VEHICLES**  
 RT ROCKET MOTORS  
**LAUNCH VEHICLES (AEROSPACE)**  
 BT LAUNCHING  
 RT ROCKET MOTORS  
 SPACECRAFT  
**Launchers**  
 USE LAUNCHING  
**LAUNCHING**  
 UF Launchers  
 NT CATAPULTS  
 LAUNCH VEHICLES (AEROSPACE)  
 RT GUN LAUNCHED  
 ROCKETS  
 TAKE-OFF  
**LAW**  
 UF Regulations  
 NT LICENSING  
**LEAD COMPOUNDS**  
**LEADERSHIP**  
 RT ADJUSTMENT (PSYCHOLOGY)  
 ATTITUDES  
 GROUP DYNAMICS  
 MANAGEMENT ENGINEERING  
 MILITARY PSYCHOLOGY  
 PSYCHOLOGY  
**LEADING EDGE**  
 UF Forward edge  
 BT AERODYNAMIC CONFIGURATIONS  
 AERODYNAMIC CONTROL  
 SURFACES  
 CONTROL SURFACES  
 NT LEADING EDGE FLAPS  
 RT AIRFOILS  
 BLADE AIRFOILS  
 TRAILING CONTROL SURFACES  
**LEADING EDGE FLAPS**  
 BT AERODYNAMIC CONFIGURATIONS  
 AERODYNAMIC CONTROL  
 SURFACES  
 CONTROL SURFACES  
 FLAPS  
 LEADING EDGE  
 RT SPOILERS  
**Leakage current anemometers**  
 USE ANEMOMETERS  
**LEARNING**  
 BT BEHAVIOR  
 RT CONDITIONED REFLEX

**LEARNING (Con.)**

MEMORY  
PSYCHOLOGY  
TRAINING  
TRANSFER OF TRAINING  
**LEAST SQUARES METHOD**  
*Lecthins*  
USE PHOSPHOLIPIDS  
*Lecithoproteins*  
USE PROTEINS (CONJUGATED)  
*Ledermann theorem*  
USE MATRIX ALGEBRA  
*Legendre coefficients*  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)  
*Legendre expansions*  
USE SERIES  
*Legendre functions*  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**LEGS**

UF Feet  
Toes  
BT BODY  
EXTREMITIES  
RT ARMS

*Legs (Supports)*  
USE SUPPORTS

**LENGTH**

USE DIMENSIONS  
*Lens (Crystalline)*  
USE EYE

**LENG ANTENNAS**

ET ANTENNA CONFIGURATIONS  
ANTENNAS

**LENSES**

NT ELECTROMAGNETIC LENSES  
ELECTRON LENSES  
RT OPTICAL EQUIPMENT  
COMPONENTS  
OPTICAL FILTERS

*Leontiel matrix*

USE MATRIX ALGEBRA

**Letdown**

USE DESCENT

**LETHAL DOSAGE**

(The amount of radiation or toxic agent which produces death.)

BT DOSAGE  
RT RADIOLOGICAL DOSAGE

**LEUKEMIA**

BT BLOOD DISORDERS  
CANCER  
NEOPLASMS

**LEUKOCYTES**

UF White blood cells  
BT BLOOD  
BLOOD CELLS  
CELLS (BIOLOGY)  
NT EOSINOPHILS  
LYMPHOCYTES  
RT BLOOD COUNTS  
HEMATOLOGY  
HEMPOIETIC SYSTEM  
RETICULOENDOTHELIAL SYSTEM

*Leukopenia*

USE BLOOD DISORDERS

**LEVARTERENOL**

UF Arterenol  
Noradrenalin  
Noradrenaline  
BT ADRENAL MEDULLA HORMONES  
HORMONES  
SYMPATHOMIMETIC AGENTS  
RT AUTONOMIC AGENTS  
EPINEPHRINE  
VASOACTIVE AGENTS

**Level indicators**

USE HORIZONTAL INDICATORS

**Liaison planes**

USE UTILITY PLANES

**LIBRARIES**

UF Library science  
RT CATALOGS  
DIRECTORIES  
DOCUMENTATION  
INDEXES  
PERIODICALS  
RECORDS  
REPORTS

**Library science**

USE LIBRARIES

**Licenses**

USE LICENSING

**LICENSING**

UF Airman certificates  
Certification  
Licenses  
Mechanics certification  
Pilot licenses  
BT LAW  
RT AIRWORTHINESS  
*Life rings*  
USE ALGEBRA  
*Lieberman-Solomon multilevel*  
USE SAMPLING  
*Liebmman method*  
USE PARTIAL DIFFERENTIAL  
EQUATIONS  
*Lienard equation*  
USE NONLINEAR DIFFERENTIAL  
EQUATIONS

**Life buoys**

USE LIFE PRESERVERS

**LIFE EXPECTANCY**

**LIFE PRESERVERS**

UF Life buoys  
BT SEA RESCUE EQUIPMENT  
RT LIFE RAFTS

**LIFE RAFTS**

UF Pneumatic life rafts  
BT SEA RESCUE EQUIPMENT  
RT INFLATABLE STRUCTURES  
LIFE PRESERVERS  
SURVIVAL KITS

**Life saving**

USE FIRST-AID

**LIFE SUPPORT**

(Protection and sustenance for living organisms in extreme environments such as outer space.)

RT CLOSED-CYCLE ECOLOGICAL  
SYSTEMS  
OXYGEN EQUIPMENT  
PRESSURE SUITS  
PRESSURIZED CABINS  
VENTILATION

**LIFT**

BT AERODYNAMIC FORCES  
FLUID DYNAMIC PROPERTIES  
RT AREA SUCTION  
BOUNDARY LAYER  
BOUNDARY LAYER CONTROL  
BOUNDARY LAYER TRANSITION  
DOWNWASH  
DRAG  
GROUND EFFECT  
THRUST

**LIGHT**

UF Daylight  
Light radiation  
Sunlight  
BT ELECTROMAGNETIC WAVES  
OPTICAL PHENOMENA  
NT LIGHT PULSES  
MONOCHROMATIC LIGHT  
OPTICAL IMAGES  
RT INFRARED RADIATION  
LUMINESCENCE

**Light adaptation**

USE ADAPTATION (PHYSIOLOGY)  
and VISION

**LIGHT COMMUNICATION SYSTEMS**

BT COMMUNICATION SYSTEMS  
RT OPTICAL EQUIPMENT

**Light globes**

USE LIGHTING EQUIPMENT

**Light guns**

USE PHOTOTUBES

**LIGHT HOMING**

UF Photoelectric target seekers  
BT GUIDANCE  
HOMING DEVICES  
TERMINAL GUIDANCE  
RT OPTICAL TRACKING

**Light pipes**

USE FIBER OPTICS

**LIGHT PULSES**

BT ELECTROMAGNETIC PULSES  
ELECTROMAGNETIC WAVES  
LIGHT  
OPTICAL PHENOMENA  
RT MONOCHROMATIC LIGHT  
OPTICAL IMAGES

**Light radiation**

USE LIGHT

**Light ranging systems**

USE OPTICAL EQUIPMENT

**and RANGE FINDING**

**LIGHT TRANSMISSION**

BT OPTICAL PROPERTIES  
WAVE TRANSMISSION  
RT ATMOSPHERIC REFRACTION  
BRIGHTNESS  
COLORS  
DIFFRACTION  
DISTORTION  
FIBER OPTICS  
FOCUSING  
ILLUMINATION  
REFLECTION  
REFRACTION  
SKY BRIGHTNESS  
SNELL'S LAW  
VISIBILITY

**LIGHTING EQUIPMENT**

UF Light globes  
Lights (Illumination)  
Spotlights  
NT FLOODLIGHTS  
LANDING LIGHTS  
SEARCHLIGHTS  
RT FLASHLIGHTS  
INCANDESCENT LAMPS  
MARKER LIGHTS  
OPTICAL EQUIPMENT  
SIGNAL LIGHTS

**LIGHTNING**

BT ATMOSPHERIC ELECTRICITY  
ELECTRIC DISCHARGES  
ELECTRICITY  
METEOROLOGICAL PHENOMENA  
RT ELECTRIC CURRENTS  
STATIC ELECTRICITY

**LIGHTNING ARRESTERS**

RT STATIC DISCHARGERS

**LIGHTNING ARRESTORS**

RT STATIC DISCHARGERS

**Lights (Illumination)**

USE LIGHTING EQUIPMENT

**Lights (Markers)**

USE MARKER LIGHTS

**Lights (Signals)**

USE SIGNAL LIGHTS

**Limbs**

USE EXTREMITIES

**LIMESTONE**

BT ROCK (GEOLOGY)

**Limit cycles**

USE DIFFERENTIAL EQUATIONS

**LIMITERS**

**Line bundles**

USE ALGEBRAIC TOPOLOGY

**LINE-THROWING EQUIPMENT**

RT MARINE SAFETY EQUIPMENT

**Linear amplifiers**

USE AMPLIFIERS  
and LINEAR SYSTEMS

**Linear equations**

USE EQUATIONS

**Linear momentum**

USE MOMENTUM

**Linear prediction**

USE MATHEMATICAL PREDICTION

**LINEAR PROGRAMMING**

(A computational technique for determining the maximum or minimum of a linear function subject to certain linear types of inequalities.)

BT OPERATIONS RESEARCH

**LINEAR SYSTEMS**

UF Linear amplifiers  
RT NONLINEAR SYSTEMS

**Linoleum**

USE FLOOR COVERINGS

**LIPIDS**

UF Body fats  
NT FATTY ACIDS  
PHOSPHOLIPIDS  
STERIODS

**LIPOPROTEINS**

BT PROTEINS  
PROTEINS (CONJUGATED)

**LIQUEFIED GASES**

RT CRYOGENICS

**GASES**

**LIQUID METAL PUMPS**

BT PUMPS

VALVES

RT ELECTROMAGNETIC PUMPS  
HEAT EXCHANGERS

**LIQUID METALS**

UF Metals (Liquid)

**LIQUID ROCKET FUELS**

BT FUELS  
RT FUEL ADDITIVES

**LIQUID ROCKET PROPELLANTS**

BT PROPELLANTS  
ROCKET PROPELLANTS  
RT FUEL ADDITIVES

**LIQUID-LEVEL CONTROL**

UF Fuel-level control

**LIQUIDS**

BT FLUIDS  
RT DROPS  
GASES  
SPRAYS  
VAPORS

**Literacy**

USE EDUCATION

**LITHIUM COMPOUNDS**

BT ALKALI METAL COMPOUNDS

**Lithopadion**

USE EMBRYOS

**Lithopetion**

USE EMBRYOS

**LIVER**

BT GASTROINTESTINAL SYSTEM

**LOAD DISTRIBUTION**

RT AERODYNAMIC HEATING  
AERODYNAMIC LOADING  
LOADING (MECHANICS)

**LOADING (MECHANICS)**

NT AERODYNAMIC LOADING  
GUST LOADS  
RT LOAJ DISTRIBUTION

**Loading aprons**

USE APRONS

**Lobing**

USE ANTENNA LOBES

**Lobsters**

USE CRUSTACEA

**LOCALIZERS**

(A runway localizer beacon for giving lateral guidance to a landing aircraft.)

**Locators**

USE DETECTORS

**Lock bolts**

USE LOCKING FASTENER DEVICES

**Lock nuts**

USE LOCKING FASTENER DEVICES

**LOCKING FASTENER DEVICES**

UF Lock bolts

Lock nuts

Nuts (Mechanics)

Self-locking fasteners

Self-locking nuts

BT MECHANICAL FASTENERS

NT RIVETS

RT BOLTS

HOOKS

JOINTS

**Logarithmic functions**

USE FUNCTIONS

**Logic (Mathematics)**

USE MATHEMATICAL LOGIC

**Logical networks**

USE COMPUTER LOGIC

**LOGISTICS**

UF Air force logistics

Army logistics

Federal supplies

Logistics management

Naval logistics

Supplies

NT AIR FORCE EQUIPMENT

AIR FORCE PROCUREMENT

ARMED FORCES BUDGETS

ARMED FORCES PROCUREMENT

ARMED FORCES SUPPLIES

ARMED FORCES

TRANSPORTATION

ARMY EQUIPMENT

ARMY PROCUREMENT

NAVAL EQUIPMENT

NAVAL PROCUREMENT

SUPPLY DEPOTS

RT AIR FORCE OPERATIONS

ARMED FORCES OPERATIONS

ARMY OPERATIONS

MAINTENANCE

MOBILIZATION

NAVAL OPERATIONS

PROCUREMENT

TRANSPORTATION

**Logistics management**

USE LOGISTICS  
**LONGITUDINAL STABILITY**  
 USE FLIGHT CHARACTERISTICS  
**LOOP ANTENNAS**  
 BT ANTENNA CONFIGURATIONS  
 ANTENNAS

**LORAN**

BT NAVIGATION  
 NT LORAN EQUIPMENT  
 RT HYPERBOLIC NAVIGATION

**LORAN EQUIPMENT**

UF Loran receivers  
 BT LORAN  
 NAVIGATION

**Loran receivers**

USE LORAN EQUIPMENT  
 and RADIO RECEIVERS

**Lotosky method**

USE SERIES

**LOUDSPEAKERS**

BT COMMUNICATION EQUIPMENT  
 RT MEGAPHONES  
 MICROPHONES  
 PUBLIC ADDRESS SYSTEMS

**LOW ALTITUDE**

(Less than 5,000 feet.)  
 BT ALTITUDE

**LOW FREQUENCY**

(30 to 300 kc.)  
 BT FREQUENCY  
 RADIOFREQUENCY

**LOW-PASS FILTERS**

BT FILTERS (ELECTROMAGNETIC  
 WAVE)  
 FILTERS (ELECTROMAGNETIC)  
 RT BAND-PASS FILTERS  
 RADIOFREQUENCY FILTERS

**LOW-PRESSURE RESEARCH**

BT SCIENTIFIC RESEARCH  
 RT VACUUM APPARATUS

**LOW-TEMPERATURE ALLOYS**

BT ALLOYS

**LOW-TEMPERATURE LUBRICANTS**

BT LUBRICANTS  
 RT GREASES

**LOW-TEMPERATURE RESEARCH**

BT SCIENTIFIC RESEARCH  
 RT COLD WEATHER TESTS  
 CRYOGENICS

**Lower camber**

USE CAMBER

**Lows (Atmospheric)**

USE CYCLONES

**LP spaces**

USE FUNCTIONAL ANALYSIS

**LUBRICANT ADDITIVES**

UF Lubricating oil additives  
 BT ADDITIVES  
 RT GREASES  
 LUBRICANTS

**LUBRICANTS**

NT AIRPLANE ENGINE OILS  
 GREASES  
 INSTRUMENT GREASES  
 LOW-TEMPERATURE  
 LUBRICANTS  
 RT GRAPHITE  
 LUBRICANT ADDITIVES  
 LUBRICATION  
 MINERAL OILS  
 OILS  
 PETROLEUM

**Lubricating oil additives**

USE LUBRICANT ADDITIVES

**LUBRICATION**

RT GREASES  
 LUBRICANTS

**Luche**

USE ACRYLIC RESINS

**LUMINESCENCE**

UF Luminescent materials  
 BT OPTICAL PHENOMENA  
 NT ELECTROLUMINESCENCE  
 FLUORESCENCE  
 PHOSPHORESCENCE  
 RT LIGHT

**Luminescent materials**

USE LUMINESCENCE

**LUNAR CRAFT**

(Manned spacecraft capable of soft  
 landings on the moon. For  
 unmanned instrument packages, see  
 LUNAR PROBES.)

BT SPACECRAFT

**LUNGS**

UF Atelectasis  
 BT RESPIRATORY SYSTEM

**Lutecium**

USE RARE EARTH COMPOUNDS

**Lutecium compounds**

USE RARE EARTH COMPOUNDS

**LYMPHATIC SYSTEM**

UF Thymic gland  
 RT BLOOD  
 BODY  
 CARDIOVASCULAR SYSTEM

**LYMPHOCYTES**

BT BLOOD  
 BLOOD CELLS  
 CELLS (BIOLOGY)  
 LEUKOCYTES  
 RT EOSINOPHILS  
 HEMATOLOGY

**M****MACH NUMBER**

(A number expressing the ratio of  
 speed of a body or point of a body  
 with respect to the surrounding air  
 or other fluid or the speed of flow to  
 the speed of sound in the medium.)

BT AIRSPEED

FLIGHT SPEEDS  
 VELOCITY  
 RT FLUID DYNAMIC PROPERTIES

**Machahon's theory**

USE COMBINATORIAL ANALYSIS

**MACHINE TOOLS**

NT DRILLING MACHINES  
 RT DIES  
 INDUSTRIAL PLANTS  
 MACHINES  
 POSITIONING DEVICES  
 (MACHINERY)

**MACHINE TRANSLATION**

UF Automatic translation  
 Translating machines  
 RT DOCUMENTATION  
 INFORMATION RETRIEVAL  
 TEACHING MACHINES

**MACHINES**

RT DRILLING MACHINES  
 INDUSTRIAL PLANTS  
 MACHINE TOOLS  
 POSITIONING DEVICES  
 (MACHINERY)

**MACHINING**

(Shaping or finishing by  
 machine-operated cutting tools.)

BT FINISHES & FINISHING  
 MATERIAL FORMING

**MACHMETERS**

BT FLIGHT INSTRUMENTS  
 FLIGHT SPEED INDICATORS  
 RT AIRSPEED INDICATORS  
 GROUND-POSITION INDICATORS  
 GROUND-SPEED INDICATORS  
 STALL-WARNING INDICATORS

**MacRobert's E-functions**

USE SPECIAL FUNCTIONS  
 (MATHEMATICAL)

**Mad**

USE MAGNETOMETERS

**Magazines**

USE PERIODICALS

**MAGNESIUM**

BT GROUP II ELEMENTS  
 METALS

**MAGNESIUM ALLOYS**

BT ALLOYS

**MAGNESIUM COMPOUNDS**

**Magnetic airborne detectors**

USE MAGNETOMETERS

**MAGNETIC AMPLIFIERS**

BT AMPLIFIERS

RT PARAMETRIC AMPLIFIERS

SATURABLE REACTORS  
 TRANSISTOR AMPLIFIERS

**MAGNETIC CORE STORAGE**

BT COMPUTER STORAGE DEVICES  
 RT MAGNETIC CORES

**Magnetic core switches**

USE MAGNETIC CORES

**MAGNETIC CORES**

UF Magnetic core switches  
 BT COMPUTER STORAGE DEVICES  
 RT ELECTRIC SWITCHES  
 MAGNETIC CORE STORAGE  
 MAGNETIC MATERIALS  
 SATURABLE REACTORS

**Magnetic detectors**

USE MAGNETOMETERS

**MAGNETIC DRIVES**

BT DRIVES

NT ELECTROMAGNETIC DRIVES

**MAGNETIC FIELDS**

NT ELECTROMAGNETIC FIELDS  
 RT MAGNETISM  
 PARAMAGNETIC RESONANCE  
 SUPERCONDUCTIVITY

**MAGNETIC GUIDANCE**

BT GUIDANCE  
 RT NAVIGATION  
 TERMINAL GUIDANCE

**MAGNETIC MATERIALS**

NT FERROMAGNETIC MATERIALS  
 PARAMAGNETIC MATERIALS  
 RT MAGNETIC CORES  
 MAGNETISM  
 MAGNETS

**MAGNETIC MOMENTS**

BT POLARIZATION  
 RT ELECTRIC MOMENTS  
 MOMENTS

**MAGNETIC NAVIGATION**

BT NAVIGATION

**Magnetic permeability**

USE MAGNETIC PROPERTIES

**MAGNETIC PROPERTIES**

(Response of equipment or materials to  
 magnetic fields. Also, the ability of  
 equipment or materials to produce  
 magnetic fields.)

UF Diamagnetic properties  
 Magnetic permeability  
 Magnetic susceptibility

NT HALL EFFECT

MAGNETOSTRICTION

HYSTERESIS

MAGNETISM

PARAMAGNETIC RESONANCE

POLARIZATION

**Magnetic proving grounds**

USE RANGES (ESTABLISHMENTS)

**MAGNETIC RECORDING**

SYSTEMS

BT RECORDING DEVICES

RECORDING SYSTEMS

**MAGNETIC STORMS**

BT MAGNETISM  
 TERRESTRIAL MAGNETISM

RT IONOSPHERIC DISTURBANCES

RADIOFREQUENCY

INTERFERENCE

**Magnetic susceptibility**

USE MAGNETIC PROPERTIES

**MAGNETIC TAPE**

BT COMPUTER STORAGE DEVICES  
 INPUT-OUTPUT DEVICES

RT DATA STORAGE SYSTEMS

PUNCHED TAPE

**MAGNETISM**

NT ANTIFERROMAGNETISM  
 FERROMAGNETISM  
 MAGNETIC STORMS  
 TERRESTRIAL MAGNETISM

RT ELECTROMAGNETISM

MAGNETIC FIELDS

MAGNETIC MATERIALS

MAGNETIC PROPERTIES

MAGNETS

PARAMAGNETIC MATERIALS

**MAGNETO-OPTIC EFFECT**

(Effects of magnetic fields upon light.)

UF Faraday effect

Gyromagnetic effect

Magneto-optic rotation

BT OPTICAL PROPERTIES

RT POLARIZATION

**Magneto-optic rotation**

USE MAGNETO-OPTIC EFFECT

**Magnetofluid dynamics**

USE MAGNETOHYDRODYNAMICS

**Magnetogasdynamics**

USE MAGNETOHYDRODYNAMICS

**Magnetohydrodynamic waves**

USE MAGNETOHYDRODYNAMICS

**MAGNETOHYDRODYNAMICS**

(Motion of electrically conducting  
 fluids in electric and magnetic  
 fields.)

UF Alfvén waves

Magnetofluid dynamics

Magnetogasdynamics

Magnetohydrodynamic waves

RT ELECTROMAGNETIC WAVES

FLUID FLOW

FLUID MECHANICS

MECHANICAL WAVES

PLASMA PHYSICS

**MAGNETOMETERS**

UF Flux-gate magnetometers  
 Gradiometers  
 Mad  
 Magnetic airborne detectors  
 Magnetic detectors

**Magnetosphere**

USE UPPER ATMOSPHERE

**MAGNETOSTRICTION**

(Phenomena relating to ferromagnetic  
 substances under magnetic  
 influence.)

BT MAGNETIC PROPERTIES

RT ELECTROSTRICTION

MAGNETOSTRICTIVE ELEMENTS

MECHANICAL PROPERTIES

**MAGNETOSTRICTIVE ELEMENTS**

UF Magnetostrictive resonators

Magnetostrictive transducers

RT MAGNETOSTRICTION

**Magnetostrictive resonators**

USE MAGNETOSTRICTIVE ELEMENTS

**Magnetostrictive transducers**

USE MAGNETOSTRICTIVE ELEMENTS

**MAGNETRONS**

UF Split-anode magnetrons

BT ELECTRON TUBES

RT RESONATORS

**MAGNETS**

UF Permanent magnets  
 NT ELECTROMAGNETS  
 RT ELECTROMAGNETISM  
 MAGNETIC MATERIALS  
 MAGNETISM

**MAINTAINABILITY**

(Design and installation characteristics  
 of material to ensure operational  
 objectives will be met with minimum  
 maintenance effort.)

RT ACCEPTABILITY

MAINTENANCE

**MAINTENANCE**

UF Repair

Upkeep

RT ARMED FORCES PROCUREMENT

LOGISTICS

MAINTAINABILITY

**MAINTENANCE EQUIPMENT**

UF Maintenance tools

RT SMALL TOOLS

**MAINTENANCE PERSONNEL**

BT PERSONNEL

RT AVIATION PERSONNEL

ENGINEERING PERSONNEL

FLIGHT CREWS

GUIDED MISSILE PERSONNEL

MILITARY PERSONNEL

NAVAL PERSONNEL

OPERATORS (PERSONNEL)

**Maintenance tools**

USE MAINTENANCE EQUIPMENT

**MAINTENANCE VEHICLES**

(Vehicles equipped as maintenance  
 and repair shops or for carrying  
 spare parts of equipment, excludes  
 vehicles, for maintenance of roads,  
 as graders.)

BT VEHICLES

RT RECOVERY VEHICLES

SNOW VEHICLES

TOWED VEHICLES

**MALFUNCTIONS**

(Failure of a piece of equipment or of  
 a part to function normally.)

UF Failure (Equipment)

**MALFUNCTIONS (Con.)**

RT FAIL-SAFE

**MAMMALS**

UF Mink

BT Sheep

BT ANIMALS

NT CHILDREN

DOGS

INFANTS

MAN

MICE

PRIMATES

RATS

RODENTS

SWINE

WOMEN

**MAN**

BT ANIMALS

MAMMALS

PRIMATES

NT CHILDREN

INFANTS

WOMEN

RT ANTHROPOMETRY

**MAN-MACHINE SYSTEMS**

RT CYBERNETICS

HUMAN ENGINEERING

**MANAGEMENT ENGINEERING**

RT LEADERSHIP

PERSONNEL MANAGEMENT

**MANEUVERABILITY**

*Mann-Whitney statistics*

USE STATISTICAL ANALYSIS

**MANNED SPACECRAFT**

(Vehicles for manned space flight, and out of the earth's atmosphere, including suborbital missions.)

BT SPACECRAFT

**MANOMETERS**

UF Micromanometers

BT METERS

PRESSURE GAGES

BLOOD PRESSURE

THRUST METERS

**Manostats**

USE PRESSURE REGULATORS

**MANUFACTURING METHODS**

(Unique procedures for the manufacture of various products, usually on less than a production scale.)

RT MATERIAL FORMING

MATERIAL REMOVAL

MATERIAL SEPARATION

PREPARATION

PROCESSING

PRODUCTION

WELDING

**MAP PROJECTION**

**MAPPING**

(Includes acquiring and recording the necessary data for maps.)

UF Cartography

Contour mapping

Course mapping

Radar mapping

BT SURVEYING

NT PHOTOGRAMMETRY

*Mapping (Mathematics)*

USE TRANSFORMATIONS

(MATHEMATICS)

**MAPS**

UF Charts

NT METEOROLOGICAL CHARTS

NAVIGATION CHARTS

RT SURVEYING

**MARINE METEOROLOGY**

(The study of meteorological conditions over oceanic areas, including island and coastal regions.)

BT METEOROLOGY

OCEANOLOGY

RT SEA BREEZE

**MARINE SAFETY EQUIPMENT**

RT ARRESTING GEAR

BUOYS

HATCHES

LINE-THROWING EQUIPMENT

**MARKER LIGHTS**

UF Lights (Markers)

Runway lights

NT APPROACH LIGHTS

BEACON LIGHTS

NAVIGATIONAL LIGHTS

RT FLARES

IDENTIFICATION LIGHTS

LANDING LIGHTS

LIGHTING EQUIPMENT

POSITION FINDING

SIGNAL LIGHTS

**Markers (Electronic)**

USE IDENTIFICATION

and RADAR TARGETS

**Markers (Radio)**

USE RADIO BEACONS

**Market game**

USE GAME THEORY

**Markov chains**

USE PROBABILITY

**Markov matrix**

USE MATRIX ALGEBRA

**Markov process**

USE STATISTICAL PROCESSES

**Marshes**

USE SWAMPS

**MARTENSITE**

RT GRAIN STRUCTURES

(METALLURGY)

SINGLE CRYSTALS

**Martingales**

USE STATISTICAL ANALYSIS

**MASERS**

BT AMPLIFIERS

MICROWAVE AMPLIFIERS

RT IRASERS

LASERS

**MASTICATION**

UF Chewing

RT MOUTH

TEETH

**MATCHED FILTERS**

BT ELECTRIC FILTERS

FILTERS (ELECTROMAGNETIC

WAVE)

**Materia medica**

USE PHARMACOLOGY

**MATERIAL CONTROL**

**MATERIAL FORMING**

(Shaping by deformation, compaction, deposition, molding, and like processes that do not involve removal of significant amounts of material.)

NT CASTING

DRAWING (MACHINE

PROCESSING)

EXTRUSION

FORGING

MACHINING

MOLDING

SINTERING

RT MANUFACTURING METHODS

**MATERIAL REMOVAL**

RT MANUFACTURING METHODS

**MATERIAL SEPARATION**

RT MANUFACTURING METHODS

**MATERIALS**

UF Substances

NT ORGANIC MATERIALS

**MATHEMATICAL ANALYSIS**

(The nontechnical sense of something analyzed mathematically. For technical usage see the specific discipline involved, e.g. REAL VARIABLES.)

UF Biometrics

Structural analysis

**MATHEMATICAL LOGIC**

UF Kleene partial recursive functionals

Logic (Mathematics)

Normal formulas

Predicates

Propositional calculus

Recursion theory

Recursive functionals

**MATHEMATICAL MODELS**

**MATHEMATICAL PREDICTION**

UF Extrapolation of data

Impact prediction

Linear prediction

Second-order prediction

**MATHEMATICS**

UF Foundations of mathematics

RT CHEMISTRY

PHYSICS

SCIENTIFIC RESEARCH

**MATHEMATICS LABORATORIES**

BT LABORATORIES

**Mathieu's function**

USE SPECIAL FUNCTIONS

(MATHEMATICAL)

**Mathieu's differential equation**

USE DIFFERENTIAL EQUATIONS

**MATRIX ALGEBRA**

UF Boolean relation matrices

Eigen vectors

Hermitian forms

Hilbert matrix

Ledermann theorem

Leontief matrix

Markov matrix

Minkowski-Leontief matrices

Quasi-idempotent matrices

Vector norm

Vector resolution

**MATRIX CALCULUS**

**Maxwell's equations**

USE PARTIAL DIFFERENTIAL

EQUATIONS

**MC KEE**

**Mean camber**

USE CAMBER

**MEASUREMENT**

RT CALIBRATION

METERS

**Measurement (Mental)**

USE PSYCHOMETRICS

**MEASURING DEVICES (ELECT AND ELECTR)**

NT AMMETERS

CAPACITANCE BRIDGES

ELECTRIC BRIDGES

ELECTROMETERS

ELECTROSCOPES

FLUXMETERS

FREQUENCY METERS

GALVANOMETERS

IMPEDANCE BRIDGES

MAGNETOMETERS

MICROWAVE BRIDGES

MULTIMETERS

OHMMETERS

PERMEAMETERS

PHASE METERS

POTENTIOMETERS

POWER METERS

PULSE COUNTERS

Q METERS

RADIO INTERFEROMETERS

VOLTMETERS

WATTMETERS

RT ELECTRICAL EQUIPMENT

TEST EQUIPMENT

(ELECTRONICS)

**MEASURING DEVICES (ELEC AND ELECTR)**

NT GALVANOMETERS

PHASE METERS

VOLTMETERS

RT TEST EQUIPMENT

(ELECTRONICS)

ELECTRICAL EQUIPMENT

**Mechanical brakes**

USE BRAKES

**MECHANICAL FASTENERS**

NT BOLTS

HOOKS

LOCKING FASTENER DEVICES

RIVETS

SCREWS

RT JOINTS

**MECHANICAL PROPERTIES**

(Properties involving relationships between stresses and strains or reactions to applied forces.)

UF Physical properties (Mechanical)

NT BRITTLENESS

COMPRESSIVE PROPERTIES

CREEP

DEFORMATION

DUCTILITY

ELASTICITY

FAILURE (MECHANICS)

FATIGUE (MECHANICS)

FRACTURE (MECHANICS)

PHOTOELASTICITY

PLASTICITY

RUPTURE

SHEAR STRESSES

SHOCK RESISTANCE

STRAIN (MECHANICS)

STRESSES

TENSILE PROPERTIES

THERMAL STRESSES

TOUGHNESS

WEAR RESISTANCE

RT ELECTROSTRICTION

HARDNESS

HYDROGEN EMBRITTLEMENT

MAGNETOSTRICTION

MEMBRANES

Metallography

**MECHANICAL SYSTEMS**

USE AIRCRAFT SYSTEMS

**MECHANICAL WAVES**

UF Elastic waves

Waves (Mechanical)

NT SEISMIC WAVES

SHOCK WAVES

SOUND

ULTRASONIC RADIATION

VIBRATION

WATER WAVES

RT ACOUSTICS

ELECTROMAGNETIC WAVES

MAGNETOHYDRODYNAMICS

NUCLEAR PARTICLES

OSCILLATION

**MECHANICS**

UF Kinematics

NT AEROSTATICS



**MEDIUM FREQUENCY (Con.)**

BT FREQUENCY  
RADIOFREQUENCY  
**Megaloblasts**  
USE ERYTHROCYTES  
**MEGAPHONES**  
BT ACOUSTIC EQUIPMENT  
RT LOUSPEAKERS  
PUBLIC ADDRESS SYSTEMS  
SOUND GENERATORS  
**Meissner's method**  
USE NUMERICAL METHODS AND PROCEDURES

**Mellin transform**  
USE INTEGRAL TRANSFORMS

**MELTING**

**MEMBRANES**  
RT MECHANICAL PROPERTIES  
MECHANICS

**MEMORY**

RT BEHAVIOR  
LEARNING  
PSYCHOLOGY

**Merge permutations**  
USE PROBABILITY

**Mental fatigue**  
USE FATIGUE (PHYSIOLOGY)

**Mental tests**  
USE INTELLIGENCE TESTS

**Meprobamate**  
USE TRANQUILIZERS

**MERCURY**

BT GROUP II ELEMENTS  
METALS

**Mercury delay lines**  
USE DELAY LINES

**Mesomorphic functions**  
USE FUNCTIONS

**Metabolic diseases**  
USE METABOLISM DISORDERS

**Metabolic products**  
USE METABOLISM

**METABOLISM**

UF Metabolic products  
Plant metabolism  
RT DEHYDRATION  
OXYGEN CONSUMPTION  
PHOTOSYNTHESIS  
STARVATION

**METABOLISM DISORDERS**

UF Amyloidosis  
Hemochromatosis  
Metabolic diseases  
BT DISEASES  
NT ATHEROSCLEROSIS  
RT HYPERGLYCEMIA  
OBESITY

**METAL COATINGS**

BT COATINGS  
FINISHES & FINISHING  
NT ALUMINUM COATINGS  
RT METAL FILMS  
PLATING

**METAL FILMS**

BT FILMS  
RT FOILS  
METAL COATINGS

**Metal foils**

USE FOILS

**METAL JOINTS**

BT JOINTS  
ADHESIVES  
BOLTED JOINTS  
BONDED JOINTS  
RIVETED JOINTS  
SOLDERED JOINTS

**METAL PLATES**

UF Plates (Metal)  
BT STRUCTURAL PARTS  
RT FLANGES  
SHEETS

**METAL SEALS**

BT SEALS (STOPPERS)  
ADHESIVES  
FUEL SEALS  
Gas seals

**Metal-glass adhesives**  
USE ADHESIVES

**Metal-plastic adhesives**  
USE ADHESIVES

**Metal-rubber adhesives**  
USE ADHESIVES

**Metal-wood adhesives**  
USE ADHESIVES

**METALLIC CRYSTALS**

BT CRYSTALS  
SOLIDS

**METALLIC TEXTILES**

BT TEXTILES  
RT FIRE-RESISTANT TEXTILES

**METALLOGRAPHY**

(Studies of the relationships of the structures of metals and alloys to their properties. For the science of preparing metals from their ores, see METALLURGY.)

RT CRYSTAL STRUCTURE  
GRAIN STRUCTURES  
(METALLURGY)  
MECHANICAL PROPERTIES  
METALLURGY  
MICROSTRUCTURE

**Metalloproteins**

USE PROTEINS (CONJUGATED)

**METALLURGY**

RT METALLOGRAPHY  
SLAGS

**METALORGANIC COMPOUNDS**

(Organic compounds having metal atoms attached directly to carbon atoms.)

**METALS**

NT ALKALINE EARTH METALS  
ALUMINUM  
BERYLLIUM  
CADMIUM  
CHROMIUM  
COBALT  
COPPER  
GERMANIUM  
GOLD  
GROUP II ELEMENTS  
MAGNESIUM  
MERCURY  
MOLYBDENUM  
NICKEL  
NIOBIUM  
TANTALUM  
TITANIUM  
TRANSITION ELEMENTS  
TUNGSTEN  
RT GROUP I ELEMENTS  
GROUP III ELEMENTS  
GROUP IV ELEMENTS  
GROUP V ELEMENTS  
GROUP VI ELEMENTS  
GROUP VII ELEMENTS  
NON-METALS

**Metals (Liquid)**

USE LIQUID METALS

**METEORITES**

(Solid bodies from outer space that have entered the earth's atmosphere and struck its surface.)

BT METEORS

**METEOROLOGICAL BALLOONS**

UF Aerological balloons  
BT AIRCRAFT  
BALLOONS  
RT METEOROLOGICAL  
INSTRUMENTS  
RADIOSONDES

**METEOROLOGICAL CHARTS**

BT MAPS  
RT METEOROLOGICAL  
INSTRUMENTS  
METEOROLOGICAL PARAMETERS  
METEOROLOGY  
NAVIGATION CHARTS

**Meteorological data**

USE METEOROLOGICAL PARAMETERS

**METEOROLOGICAL INSTRUMENTS**

NT ANEMOMETERS  
BAROMETERS  
CLOUD HEIGHT INDICATORS  
HYGROMETERS  
HYPSOMETERS  
ICE-FORMATION INDICATORS  
METEOROLOGICAL RADAR  
VERTICAL-GUST RECORDERS  
WIND-DIRECTION INDICATORS  
RT METEOROLOGICAL BALLOONS  
METEOROLOGICAL CHARTS  
METEOROLOGICAL PARAMETERS  
METEOROLOGICAL PHENOMENA  
METEOROLOGY  
RADIOSONDES  
WEATHER COMMUNICATIONS  
WEATHER STATIONS

**METEOROLOGICAL PARAMETERS**

(Meteorological elements normally measured in meteorological studies. For those elements not normally measured, see METEOROLOGICAL PHENOMENA.)

UF Meteorological data  
NT ATMOSPHERIC PRECIPITATION  
ATMOSPHERIC TEMPERATURE  
BAROMETRIC PRESSURE  
CEILING  
CLOUD COVER  
RAINFALL  
WIND  
RT HUMIDITY  
METEOROLOGICAL CHARTS  
METEOROLOGICAL  
INSTRUMENTS  
VISIBILITY

**METEOROLOGICAL PHENOMENA**

NT ANTICYCLONES  
ATMOSPHERIC CONDENSATION  
ATMOSPHERIC ELECTRICITY  
ATMOSPHERIC MOTION  
ATMOSPHERIC REFRACTION  
ATMOSPHERICS  
CLOUDS  
CONVECTION  
CYCLONES  
GUSTS  
HAZE  
JET STREAMS (METEOROLOGY)  
LIGHTNING  
PRECIPITATION STATIC  
RAINDROPS  
SEA BREEZE  
SNOW  
STORMS  
TEMPERATURE INVERSION  
TORNADOES  
TROPICAL CYCLONES  
WHITEOUT  
WIND  
RT ATMOSPHERIC POLLUTION  
METEOROLOGICAL  
INSTRUMENTS

**METEOROLOGICAL RADAR**

UF Weather avoidance radar  
Weather radar  
BT METEOROLOGICAL  
INSTRUMENTS  
RADAR  
RT AIRPORT RADAR SYSTEMS  
CLOUD HEIGHT INDICATORS

**Meteorological radio**

USE WEATHER COMMUNICATIONS

**METEOROLOGICAL SATELLITES**

BT SATELLITES (ARTIFICIAL)  
SPACECRAFT  
RT WEATHER COMMUNICATIONS  
WEATHER STATIONS

**METEOROLOGY**

NT AIR MASS ANALYSIS  
ATMOSPHERIC SOUNDING  
HURRICANE TRACKING  
MARINE METEOROLOGY  
MICROMETEOROLOGY  
WEATHER FORECASTING  
WEATHER STATIONS  
CLIMATOLOGY  
METEOROLOGICAL CHARTS  
METEOROLOGICAL  
INSTRUMENTS  
WEATHER COMMUNICATIONS

**METEORS**

(Solid bodies that enter the earth's atmosphere from outer space, but do not strike its surface.)

NT METEORITES

RT SPACE ENVIRONMENTAL  
CONDITIONS

**METERS**

(Meters measuring non-electrical variables, even though measurement may be accomplished by electrical means. For direct measurement of electrical variables, see MEASURING DEVICES (ELECTRICAL AND ELECTRONIC).)

UF Gages

NT ANEMOMETERS  
BAROMETERS  
DENSIMETERS  
DOBIMETERS  
EXTENSOMETERS  
GONIMETERS  
HYGROMETERS  
MANOMETERS

PRESSURE GAGES  
RESISTANCE THERMOMETERS  
TACHOMETERS  
THERMOMETERS  
TORSION METERS  
VORTEX THERMOMETERS

RT MEASUREMENT

**Methamphetamine**  
USE AMPHETAMINES

**MICE**

BT ANIMALS  
MAMMALS  
RODENTS  
RT RATS

**Michell's integral**

USE INTEGRALS

**MICROANALYSIS**

UF Microvolumetric analysis  
BT CHEMICAL ANALYSIS  
RT CHROMATOGRAPHIC ANALYSIS  
QUANTITATIVE ANALYSIS

**Microbalances**

USE BALANCES

**Microbial toxins**

USE TOXINS & ANTITOXINS

**Microbiology**

USE MICROORGANISMS

**MICROFILM**

BT PHOTOGRAPHIC FILM

**Microfilm readers**

USE FILM READERS

**Microfilm selectors**

USE FILM READERS

**Micromanometers**

USE MANOMETERS

**MICROMETEOROLOGY**

BT METEOROLOGY

**MICROMINIATURIZATION (ELECTRONICS)**

RT ELECTRONIC EQUIPMENT  
INTEGRATED CIRCUITS  
MINIATURE ELECTRONIC  
EQUIPMENT  
MOLECULAR ELECTRONICS  
PRINTED CIRCUITS  
SUBMINIATURE ELECTRONIC  
EQUIPMENT

**MICROORGANISMS**

UF Microbiology  
NT BACTERIA  
RT ANIMALS  
FUNGI

**MICROPHONES**

BT ACOUSTIC EQUIPMENT  
COMMUNICATION EQUIPMENT  
ELECTROACOUSTIC  
TRANSDUCERS  
RT ACOUSTIC DETECTORS  
LOUSPEAKERS  
SOUND GENERATORS

**MICROSCOPY**

NT ELECTRON MICROSCOPY  
RT OPTICAL ANALYSIS

**MICROSTRUCTURE**

(Structural characteristics revealed by magnifications of ten or more diameters.)

RT CRYSTAL STRUCTURE  
METALLOGRAPHY

**Microsyns**

USE SYNCHROS

**Microvolumetric analysis**

USE MICROANALYSIS

**MICROWAVE AMPLIFIERS**

BT AMPLIFIERS  
NT MASERS  
PARAMETRIC AMPLIFIERS

**MICROWAVE BRIDGES****MICROWAVE COMMUNICATION SYSTEMS**

BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION  
SYSTEMS

NT MICROWAVE RELAY SYSTEMS

RT ANGLE OF ARRIVAL  
PULSE COMMUNICATION  
SYSTEMS

**MICROWAVE EQUIPMENT****MICROWAVE FREQUENCY**

(Devices operating in the frequency range (1000 to 300,000 mc.)

BT FREQUENCY

RADIOFREQUENCY

NT C BAND

EXTREMELY HIGH FREQUENCY

**MICROWAVE FREQUENCY** (Con.)  
 K BAND  
 S BAND  
 SUPERHIGH FREQUENCY  
 X BAND  
**MICROWAVE NETWORKS**  
 BT NETWORKS  
**MICROWAVE OSCILLATORS**  
 BT OSCILLATORS  
 RADIOFREQUENCY OSCILLATORS  
*Microwave power*  
 USE RADIOFREQUENCY POWER  
*Microwave probes*  
 USE PROBES (ELECTROMAGNETIC)  
**MICROWAVE RELAY SYSTEMS**  
 UF Video relays  
 BT COMMUNICATION SYSTEMS  
 MICROWAVE COMMUNICATION SYSTEMS  
 RADIO COMMUNICATION SYSTEMS  
 RADIO RELAY SYSTEMS  
*Microwave selectors*  
 USE CHANNEL SELECTORS  
**MICROWAVE SPECTROSCOPY**  
 BT RADIOFREQUENCY SPECTROSCOPY  
 SPECTROSCOPY  
 RT FREQUENCY ANALYZERS  
**MICROWAVES**  
 (1,000 to 300,000 mc)  
 UF Radar waves  
 BT ELECTROMAGNETIC WAVES  
 RADIO WAVES  
 NT MILLIMETER WAVES  
 RT INFRARED RADIATION  
*Mid-air collisions*  
 USE COLLISIONS  
*Mildew*  
 USE FUNGI  
**MILITARY AIRCRAFT**  
 BT AIRCRAFT  
**MILITARY AVIATION**  
*Military bridges*  
 USE BRIDGES  
*Military budgets*  
 USE ARMED FORCES BUDGETS  
**MILITARY FACILITIES**  
 NT NAVAL AIR STATIONS  
 RT MILITARY ORGANIZATIONS  
 SITE SELECTION  
**MILITARY INTELLIGENCE**  
 (Evaluated information concerning an actual or possible enemy theatre of operations)  
 UF Intelligence (Military)  
 NT PHOTOGRAPHIC INTELLIGENCE  
 RT PHOTO INTERPRETATION  
 TECHNOLOGICAL INTELLIGENCE  
*Military operations*  
 USE ARMED FORCES OPERATIONS  
**MILITARY ORGANIZATIONS**  
 UF Organizations (Military)  
 NT AIR DEFENSE COMMAND  
 AIR FORCE  
 AIR FORCE LOGISTICS COMMAND  
 AIR FORCE SYSTEMS COMMAND  
 ARMED FORCES (UNITED STATES)  
 ARMY  
 COAST GUARD  
 FLEETS  
 NAVY  
 STRATEGIC AIR COMMAND  
 TACTICAL AIR COMMAND  
 MILITARY FACILITIES  
 RT  
**MILITARY PERSONNEL**  
 UF Soldiers  
 RT PERSONNEL  
 NT FLIGHT SURGEONS  
 GUIDED MISSILE PERSONNEL  
 NAVAL PERSONNEL  
 OFFICER PERSONNEL  
 SUBMARINE PERSONNEL  
 AVIATION PERSONNEL  
 RT  
 CASUALTIES  
 ENGINEERING PERSONNEL  
 FLIGHT CREWS  
 MAINTENANCE PERSONNEL  
 MEDICAL PERSONNEL  
 NAVIGATORS  
 OPERATORS (PERSONNEL)  
 PILOTS  
 PROFESSIONAL PERSONNEL  
 RADAR OPERATORS  
 RADIO OPERATORS

RECRUITING  
 SCIENTIFIC PERSONNEL  
**MILITARY PSYCHOLOGY**  
 BT APPLIED PSYCHOLOGY  
 PSYCHOLOGY  
 RT LEADERSHIP  
 PSYCHOMETRICS  
**MILITARY PUBLICATIONS**  
 UF Naval publications  
 RT DIRECTORIES  
 INSTRUCTION MANUALS  
 PERIODICALS  
 REPORTS  
**MILITARY REQUIREMENTS**  
 RT SPECIFICATIONS  
 STANDARDS  
**MILITARY STRATEGY**  
*Military supplies*  
 USE ARMED FORCES SUPPLIES  
**MILITARY TRAINING**  
 BT TRAINING  
 RT TRAINING DEVICES  
*Military transportation*  
 USE ARMED FORCES  
 TRANSPORTATION  
**MILLIMETER WAVES**  
 (Greater than 30,000 mc)  
 BT ELECTROMAGNETIC WAVES  
 MICROWAVES  
 RT EXTREMELY HIGH FREQUENCY  
 K BAND  
*Mine dan buoys*  
 USE BUOYS  
**MINERAL OILS**  
 BT OILS  
 ORGANIC MATERIALS  
 RT HYDRAULIC FLUIDS  
 LUBRICANTS  
**MINERAL PRODUCTS**  
 NT ASBESTOS  
 DIAMONDS  
 GRAPHITE  
 QUARTZ  
 RUBY  
 SYNTHETIC STONES  
 RT MINERALS  
 ROCK (GEOLOGY)  
**MINERALS**  
 RT MINERAL PRODUCTS  
**MINIATURE ELECTRICAL EQUIPMENT**  
 BT ELECTRICAL EQUIPMENT  
**MINIATURE ELECTRONIC EQUIPMENT**  
 BT ELECTRONIC EQUIPMENT  
 RT MICROMINIATURIZATION (ELECTRONICS)  
 SUBMINIATURE ELECTRONIC EQUIPMENT  
*Minimax*  
 USE GAME THEORY  
*Minimum distance method*  
 USE DIFFERENCE EQUATIONS  
**MINING ENGINEERING**  
 BT ENGINEERING  
 GEOLOGY  
 RT CIVIL ENGINEERING  
 ENGINEERING GEOLOGY  
 GEOLOGICAL SURVEY  
*Minis*  
 USE MAMMALS  
*Minkowski-Leontief matrices*  
 USE MATRIX ALGEBRA  
*Minkowski's theory*  
 USE DISTRIBUTION THEORY  
**MIRRORS**  
 UF Signaling mirrors  
 BT OPTICAL EQUIPMENT  
 REFLECTORS  
**MISSILE APPROACH**  
 UF Oversight  
 RT APPROACH  
 ATC TERMINAL AREA  
 INSTRUMENT LANDINGS  
 LANDING  
*Missiles*  
 USE GUIDED MISSILES  
**MITOSIS**  
 UF Cell Division (Biology)  
 RT CELLS (BIOLOGY)  
*Mittens*  
 USE GLOVES  
**MIXERS (ELECTRONIC)**  
 NT CRYSTAL MIXERS  
 RT CRYSTAL DETECTORS

INTERMEDIATE FREQUENCY  
**MIXTURES**  
 NT EUTECTICS  
**MOBILE**  
**MOBILIZATION**  
 RT LOGISTICS  
*Mobs (Mathematics)*  
 USE TOPOLOGY  
**MODEL TESTS**  
 RT SIMULATION  
 WIND TUNNEL MODELS  
**MODELS (SIMULATIONS)**  
 NT AIRPLANE MODELS  
 ATMOSPHERE MODELS  
 FLAT PLATE MODELS  
 HYDRAULIC MODELS  
 ROCKET MODELS  
 WIND TUNNEL MODELS  
 RT SIMULATION  
 TRAINING DEVICES  
**MODIFICATION KITS**  
 (Items required for major or minor changes in the design of an adopted item)  
**MODULATION**  
 UF Demodulation  
 Time modulation  
 NT AMPLITUDE MODULATION  
 FREQUENCY MODULATION  
 PHASE MODULATION  
 PULSE MODULATION  
 RT MODULATORS  
*Modulator tubes*  
 USE MODULATORS  
**MODULATORS**  
 UF Modulator tubes  
 RT ELECTRON TUBES  
 MODULATION  
 OSCILLATORS  
**MODULES (ELECTRONIC)**  
 (Packaged assemblies of wired components built to standardized sizes and having standardized plug-in or solderable terminations)  
 RT ELECTRONIC EQUIPMENT  
 PACKAGED CIRCUITS  
*Modules (Mathematics)*  
 USE ALGEBRA  
**MOISTURE**  
 UF Moisture content  
 Moisture factors  
 RT HUMIDITY  
*Moisture content*  
 USE MOISTURE  
*Moisture factors*  
 USE MOISTURE  
*Moisture meters*  
 USE HYGROMETERS  
*Moisture resistance*  
 USE MOISTUREPROOFING  
**MOISTUREPROOFING**  
 UF Moisture resistance  
 Waterproof coatings  
 Waterproofing  
 BT FINISHES & FINISHING  
 PROTECTIVE TREATMENTS  
 RT WEATHERPROOFING  
**MOLDING**  
 UF Molds (Casting)  
 BT MATERIAL FORMING  
*Molds (Casting)*  
 USE MOLDING  
*Moletronics*  
 USE MOLECULAR ELECTRONICS  
*Molecular configuration*  
 USE MOLECULAR STRUCTURE  
**MOLECULAR ELECTRONICS**  
 (Control of the electronic functioning of materials by alteration of their structural or chemical characteristics)  
 UF Moletronics  
 RT ELECTRONIC EQUIPMENT  
 INTEGRATED CIRCUITS  
 MICROMINIATURIZATION (ELECTRONICS)  
 PACKAGED CIRCUITS  
 PRINTED CIRCUITS  
 SUBMINIATURE ELECTRONIC EQUIPMENT  
**MOLECULAR PROPERTIES**  
 NT MOLECULAR STRUCTURE  
 MOLECULAR WEIGHT

**MOLECULAR STRUCTURE**  
 (Bond lengths and angles, the juxtaposition of the atoms, and the general shape of molecules)  
 UF Molecular configuration  
 BT MOLECULAR PROPERTIES  
**MOLECULAR WEIGHT**  
 BT MOLECULAR PROPERTIES  
 RT DENSITY  
**MOLYBDENUM**  
 BT GROUP VI ELEMENTS  
 METALS  
 TRANSITION ELEMENTS  
**MOLYBDENUM ALLOYS**  
 BT ALLOYS  
**MOLYBDENUM COMPOUNDS**  
**MOMENTS**  
 RT ELECTRIC MOMENTS  
 MAGNETIC MOMENTS  
 MOMENTUM  
**MOMENTUM**  
 (Quantity of motion measured by the product of mass and velocity)  
 UF Angular momentum  
 Linear momentum  
 RT MOMENTS  
**MONEY**  
 UF Capital  
 Coins  
 Currency  
 Finance  
 Finances  
**MONITORS**  
**MONOCHROMATIC LIGHT**  
 BT ELECTROMAGNETIC WAVES  
 LIGHT  
 OPTICAL PHENOMENA  
 RT LIGHT PULSES  
 OPTICAL IMAGES  
**MONOCOQUES**  
 (A type of construction, used primarily in aircraft, in which a thin shell bears stresses with little or no inner support)  
 RT AIRFRAMES  
 CURVED PROFILES  
 ELLIPSOIDS  
 FUSELAGES  
 PARABOLIC BODIES  
*Monopole*  
 USE GAME THEORY  
**MONOPULSE RADAR**  
 BT RADAR  
**MONOSACCHARIDES**  
 BT CARBOHYDRATES  
 NT GLUCOSE  
 RT NUCLEOSIDES  
 NUCLEOTIDES  
*Monotone functions*  
 USE FUNCTIONS  
**MONOXIDES**  
 BT OXIDES  
 RT DIOXIDES  
 OXYGEN  
**MONTE CARLO METHOD**  
 UF Stochastic sampling  
 BT NUMERICAL METHODS AND PROCEDURES  
 RT OPERATIONS RESEARCH  
**MOTION**  
 UF Autokinematics  
 NT ACCELERATION  
 DECELERATION  
 OSCILLATION  
 PITCH (MOTION)  
 RESONANCE  
 ROLL  
 ROTATION  
 SPIN  
 VIBRATION  
 YAW  
 RT DAMPING  
 SHOCK (MECHANICS)  
 VELOCITY  
**MOTION PICTURES**  
 BT PHOTOGRAPHS  
 RT AERIAL PHOTOGRAPHS  
**MOTION SICKNESS**  
 UF Air sickness  
 Nystagmus  
 Sea sickness  
 RT ANTHEMETICS  
 VESTIBULAR APPARATUS  
**MOTION-PICTURE CAMERAS**  
 UF Slow motion cameras

**MOTION-PICTURE****CAMERAS (Con.)**

- BT CAMERAS
- RT HIGH-SPEED CAMERAS

**MOTION-PICTURE PHOTOGRAPHY****BT PHOTOGRAPHY****MOTIVATION**

- UF Drives (Psychology)
- Needs (Psychology)
- RT BEHAVIOR
- PSYCHOLOGY
- REACTION (PSYCHOLOGY)
- REASONING

**MOTOR GENERATORS**

- BT GENERATORS
- RT ELECTRIC POWER PRODUCTION
- POWER EQUIPMENT
- POWER EQUIPMENT PARTS

**MOTOR REACTIONS**

- RT CONDITIONED REFLEX
- PSYCHOMOTOR TESTS
- REACTION (PSYCHOLOGY)

**MOTOR VEHICLE ACCIDENTS**

- BT ACCIDENTS
- RT COLLISIONS
- SAFETY

**MOTOR VEHICLE OPERATORS**

- BT OPERATORS (PERSONNEL)

**Motor vehicle passengers**

- USE PASSENGERS

**MOUNTAINS**

- BT TERRAIN

**MOUNTING BRACKETS**

- BT STRUCTURAL PARTS
- RT ANCHORS (STRUCTURAL)
- SUPPORTS

**MOUTH**

- UF Mouth hygiene
- RT MASTICATION
- TEETH

**Mouth hygiene**

- USE MOUTH

**MOVING-TARGET INDICATORS**

- (Radar scopes that distinguish between moving and fixed objects.)

- BT TRACKING

- RT DETECTION
- RADAR TRACKING
- RANGES (DISTANCE)

**MULTICHANNEL TELEPHONE****SYSTEMS**

- BT COMMUNICATION SYSTEMS
- TELEPHONE COMMUNICATION SYSTEMS

**MULTIMETERS****MULTIPATH TRANSMISSION**

- BT RADIO TRANSMISSION
- WAVE TRANSMISSION
- RT IONOSPHERIC PROPAGATION

**Multiple correlation**

- USE STATISTICAL ANALYSIS

**Multiple decision rules**

- USE STATISTICAL ANALYSIS

**MULTIPLE OPERATION****MULTIPLES****MULTIPLEX**

- (Simultaneous transmission of two or more programs or signals over a single radiofrequency channel.)

- UF Multiple transmission
- RT RADIO TRANSMISSION

**Multiplex (transmission)**

- USE MULTIPLEX

**Multiplexers (Converters)**

- USE FREQUENCY MULTIPLIERS

**Multivariate analysis**

- USE STATISTICAL ANALYSIS

**Multivariate interpolation**

- USE STATISTICAL ANALYSIS

**Multiplicities**

- USE URBAN AREAS

**MUSCLES**

- UF Muscular atrophy
- Muscular trauma
- Myopathy
- BT MUSCULOSKELETAL SYSTEM
- RT ADENOSINE PHOSPHATES
- CONTRACTION
- TISSUES (BIOLOGY)

**Muscular atrophy**

- USE DISEASES

**and MUSCLES****Muscular trauma**

- USE MUSCLES

**and WOUNDS & INJURIES****MUSCULOSKELETAL SYSTEM**

- UF Orthopedics
- NT BONE
- JOINTS (PHYSIOLOGY)
- MUSCLES
- SKELETON
- SPINAL COLUMN
- RT BODY
- INTEGUMENTARY SYSTEM
- TISSUES (BIOLOGY)

**Muskrats**

- USE RODENTS

**MUTATIONS**

- RT GENETICS

**Myocardium**

- USE HEART

**Myoclonus**

- USE CONVULSIVE DISORDERS

**Myoglobin**

- USE HEMOGLOBIN

**Myopathy**

- USE MUSCLES
- and PATHOLOGY

**Myopia**

- USE VISION

**N****N-plane bundles**

- USE ALGEBRAIC TOPOLOGY

**NACELLES**

- NT ENGINE NACELLES
- JET ENGINE NACELLES
- RT AIRCRAFT EQUIPMENT
- AIRCRAFT PROTUBERANCES
- AIRFRAMES
- JET ENGINE FAIRINGS
- JETTISONABLE EQUIPMENT

**Narcosis**

- USE ANESTHESIA

**NARROWBAND**

- BT FREQUENCY

- RT BANDWIDTH

**BROADBAND****Nasopharynx**

- USE THROAT

**NATIONAL DEFENSE**

- (General concepts including foreign relations, industrial planning, stockpiling of strategic materials, etc. associated with a nation, defense strategy. For specific defense weapons, communication systems, etc. see defense systems.)

- RT CIVIL DEFENSE SYSTEMS

**DEFENSE EYE MS****Natural rubber**

- USE RUBBER

**NAVAL AIR STATIONS**

- BT MILITARY FACILITIES

- RT NAVAL AVIATION

**NAVAL AIRCRAFT**

- BT AIRCRAFT

- RT AIRPLANES

**NAVAL AVIATION**

- RT ALL-WEATHER AVIATION

- CIVIL AVIATION

- NAVAL AIR STATIONS

**Naval budgets**

- USE ARMED FORCES BUDGETS

**NAVAL EQUIPMENT**

- BT LOGISTICS

- RT ARMED FORCES SUPPLIES

- SUPPLY DEPOTS

**Naval logistics**

- USE LOGISTICS

**NAVAL OPERATIONS**

- BT ARMED FORCES OPERATIONS

- RT ARMED FORCES

- TRANSPORTATION

- LOGISTICS

**NAVAL PERSONNEL**

- UF Sailors

- BT MILITARY PERSONNEL

- NT SUBMARINE PERSONNEL

- RT AVIATION PERSONNEL

- GUIDED MISSILE PERSONNEL

- MAINTENANCE PERSONNEL

**MEDICAL PERSONNEL****NAVAL PROCUREMENT**

- BT ARMED FORCES PROCUREMENT
- GOVERNMENT PROCUREMENT
- LOGISTICS

**PROCUREMENT**

- RT ARMED FORCES BUDGETS

- ARMED FORCES SUPPLIES

- SUPPLY DEPOTS

**Naval publications**

- USE MILITARY PUBLICATIONS

**NAVAL RESEARCH****LABORATORIES**

- BT LABORATORIES

**Naval supplies**

- USE ARMED FORCES SUPPLIES

**Naval transportation**

- USE ARMED FORCES

- TRANSPORTATION

**NAVAL VESSELS (COMBATANT)**

- RT WEAPONS

**Navar**

- USE AIRPORT RADAR SYSTEMS

**Navascopes**

- USE AIRPORT RADAR SYSTEMS

**Navier-Stokes equations**

- USE PARTIAL DIFFERENTIAL

- EQUATIONS

**NAVIGATION**

- UF Bird navigation

- Course mapping

- NT CELESTIAL NAVIGATION

- DEAD RECKONING

- DOPPLER NAVIGATION

- HYPERBOLIC NAVIGATION

- INERTIAL NAVIGATION

- LORAN

- LORAN EQUIPMENT

- MAGNETIC NAVIGATION

- RADAR NAVIGATION

- RADIO NAVIGATION

- SHORAN

- SPACE NAVIGATION

- RT AUTOMATIC NAVIGATORS

- GUIDANCE

- HOMING DEVICES

- MAGNETIC GUIDANCE

- NAVIGATION COMPUTERS

- PLOTTERS

**NAVIGATION CHARTS**

- UF Ice charts

- BT MAPS

- RT METEOROLOGICAL CHARTS

**NAVIGATION COMPUTERS**

- BT COMPUTERS

- GUIDANCE

- SPECIAL PURPOSE COMPUTERS

- RT AUTOMATIC NAVIGATORS

- BOMBING COMPUTERS

- NAVIGATION

- TERMINAL GUIDANCE SYSTEMS

**NAVIGATION SATELLITES**

- BT NAVIGATIONAL AIDS

- SATELLITES (ARTIFICIAL)

- SPACECRAFT

**NAVIGATIONAL AIDS**

- NT NAVIGATION SATELLITES

- NAVIGATIONAL LIGHTS

**NAVIGATIONAL LIGHTS**

- UF Position lights

- Position lights

- BT MARKER LIGHTS

- NAVIGATIONAL AIDS

- STROBE LIGHTS

- RT APPROACH LIGHTS

- BEACON LIGHTS

- SIGNAL LIGHTS

**NAVIGATORS**

- BT AVIATION PERSONNEL

- OPERATORS (PERSONNEL)

- RT MILITARY PERSONNEL

- PILOTS

**NAVY**

- BT ARMED FORCES (UNITED STATES)

- MILITARY ORGANIZATIONS

**NEAR FIELD**

- UF Close field

- Modulation

- USE ATOMIZATION

**Neer**

- USE HEAD

**Needle bearings**

- USE ROLLER BEARINGS

**Needs (Psychology)**

- USE MOTIVATION

**NEGATIVE RESISTANCE****CIRCUITS**

- BT CIRCUITS

**Negative thrust**

- USE THRUST REVERSE

**Neighborhood retract**

- USE ALGEBRAIC TOPOLOGY

**Neodymium**

- USE RARE EARTH COMPOUNDS

**Neodymium compounds**

- USE RARE EARTH COMPOUNDS

**NEUTRON COUNTERS**  
BT RADIATION MEASUREMENT SYSTEMS  
RT COUNTING METHODS  
GEIGER COUNTERS

**NEUTRONS**  
BT ELEMENTARY PARTICLES  
NUCLEONS  
NT FAST NEUTRONS  
RT COSMIC RAYS

**Newborn**  
USE INFANTS  
**Newman's function**  
USE SPECIAL FUNCTIONS (MATHEMATICAL)

**NEWSPAPERS**  
RT PERIODICALS  
**Newton-Raphson method**  
USE NUMERICAL METHODS AND PROCEDURES

**Niacin**  
USE VITAMIN B COMPLEX

**NICKEL**  
BT METALS  
TRANSITION ELEMENTS

**NICKEL ALLOYS**  
BT ALLOYS

**Nicotinic acid**  
USE VITAMIN B COMPLEX

**NIGHT FLIGHT**  
BT FLIGHT  
RT INSTRUMENT FLIGHT

**NIGHT LANDINGS**  
BT LANDING  
RT CARRIER LANDINGS  
INSTRUMENT LANDINGS  
RADAR LANDING CONTROL

**Night vision**  
USE ADAPTATION (PHYSIOLOGY) and VISION

**Nim**  
USE GAME THEORY

**NIOBIUM**  
UF Columbium  
BT GROUP V ELEMENTS  
METALS  
TRANSITION ELEMENTS

**NIOBIUM ALLOYS**  
BT ALLOYS

**NIOBIUM COMPOUNDS**

**NITRIDES**  
RT NITROGEN COMPOUNDS

**NITROGEN**  
BT GROUP V ELEMENTS  
NON-METALS

**NITROGEN COMPOUNDS**  
RT NITRIDES

**NOCTILUCENT CLOUDS**  
BT CLOUDS

**NOISE**  
NT AIRPLANE ENGINE NOISE  
AIRPLANE NOISE  
COMPRESSOR NOISE  
ENGINE NOISE  
HELICOPTER (ENGINE) NOISE  
HELICOPTER NOISE  
JET ENGINE NOISE  
JET PLANE NOISE  
PROPELLER NOISE  
ROCKET MOTOR NOISE  
RT ACOUSTIC EQUIPMENT  
ACOUSTIC PROPERTIES  
NOISE ABATEMENT  
SOUND

**NOISE (RADAR)**  
(Undesired electrical or electronic disturbances originating within radar equipment as from faulty components. For disturbances originating from external sources see RADAR INTERFERENCE.)  
UF Radar noise  
RT RADAR CLUTTER  
RADAR INTERFERENCE  
SUPPRESSORS

**NOISE (RADIO)**  
(Undesired electrical or electronic disturbances originating within radio equipment as from faulty components. For disturbances originating from external sources see RADIO INTERFERENCE.)  
UF Radio noise  
RT RADIO INTERFERENCE

**SUPPRESSORS**  
**NOISE ABATEMENT**  
(Engine and aircraft design and flight operating procedures and techniques.)  
UF Noise reduction  
RT NOISE  
SUPPRESSOR (ACOUSTIC)

**NOISE ANALYZE**  
(Devices that detect and locate internally produced noise in electronic equipment.)  
BT TEST EQUIPMENT (ELECTRONICS)  
RT FREQUENCY ANALYZERS  
INTERFERENCE ANALYZERS  
OSCILLOSCOPES

**NOISE GENERATORS**  
BT ACOUSTIC EQUIPMENT  
Sound generators

**NOISE REDUCTION**  
USE NOISE ABATEMENT  
**Noise suppressors**  
USE SUPPRESSORS (ACOUSTIC)

**NOMOGRAPHS**  
**Non-abelian cohomology**  
USE ALGEBRAIC TOPOLOGY

**NON-DESTRUCTIVE TESTING**  
BT QUALITY CONTROL  
TESTS

**NON-METALS**  
NT ARGON  
BORON  
BROMINE  
CARBON  
CHLORINE  
FLUORINE  
HALOGENS  
HELIUM  
HELIUM GROUP GASES  
HYDROGEN  
IODINE  
NEON  
NITROGEN  
OXYGEN  
PHOSPHORUS  
SILICON  
SULFUR  
RT GROUP I ELEMENTS  
GROUP II ELEMENTS  
GROUP V ELEMENTS  
GROUP VI ELEMENTS  
GROUP VII ELEMENTS  
METALS

**NONLINEAR DIFFERENTIAL EQUATIONS**  
UF Growth equation  
Liénard equation  
Painlevé equation  
Painlevé transcendents

**Nonlinear functions**  
USE FUNCTIONS  
**NONLINEAR SYSTEMS**  
(Theoretical systems having outputs that do not vary linearly with inputs.)  
UF Nonlinear theory  
RT LINEAR SYSTEMS

**Nonlinear theory**  
USE NONLINEAR SYSTEMS and THEORY  
**Nonparametric statistics**  
USE STATISTICAL ANALYSIS  
**Nonpolaroid**  
USE LEVARTERENOL  
**Nonphosphorus**  
USE LEVARTERENOL  
**Nonpungent**  
USE SERIES  
**Nonpungent methods**  
USE SERIES  
**Normal formulas**  
USE MATHEMATICAL LOGIC

**NOSE**  
RT END ORGANS  
SMELL

**NOSE CONES**  
BT GUIDED MISSILE COMPONENTS

**Nose flaps**  
USE FLAPS

**NOSE WHEELS**  
BT AIRCRAFT EQUIPMENT  
LANDING GEAR  
RT AIRCRAFT TIRES  
AIRFRAMES  
LANDING GEAR DOORS

**NOZZLE CLUSTERS**  
BT NOZZLES  
**NOZZLE INSERTS**  
BT NOZZLES  
**NOZZLES**

NT ANNULAR NOZZLES  
CONICAL NOZZLES  
EXHAUST NOZZLES  
GAS TURBINE NOZZLES  
NOZZLE CLUSTERS  
NOZZLE INSERTS  
RAMJET ENGINE NOZZLES  
ROCKET MOTOR NOZZLES  
SPRAY NOZZLES  
SUBSONIC NOZZLES  
SUPERSONIC NOZZLES  
THRUST AUGMENTOR NOZZLES  
TURBOJET EXHAUST NOZZLES  
WIND TUNNEL NOZZLES

RT DIFFUSERS  
FLUID FLOW

**NUCLEAR BOMBS**

RT NUCLEAR EXPLOSIONS

**NUCLEAR ENERGY**

UF Atomic energy  
RT NUCLEAR POWER PLANTS  
NUCLEAR REACTORS

**NUCLEAR EXPLOSION DAMAGE**

UF Atomic bomb damage  
BT DAMAGE  
EXPLOSION EFFECTS  
RT RADIOACTIVE FALLOUT

**NUCLEAR EXPLOSIONS**

UF Atomic bomb tests  
Hydrogen bomb tests  
BT EXPLOSIONS  
RT AIR BURST  
ATOMIC CLOUDS  
NUCLEAR BOMBS  
NUCLEAR WARHEADS  
SURFACE BURST  
UNDERGROUND EXPLOSIONS

**NUCLEAR PARTICLES**

RT CHARGED PARTICLES  
COSMIC RAYS  
MECHANICAL WAVES

**NUCLEAR PHYSICS**

RT PHYSICS  
PLASMA PHYSICS  
SOLID STATE PHYSICS  
THERMODYNAMICS

**NUCLEAR POWER PLANTS**  
(Includes mobile as well as stationary installations in which nuclear reactors or radioactive sources are used as primary power sources.)

UF Atomic energy plants  
Atomic power plants  
BT INDUSTRIAL PLANTS  
RT AIRCRAFT NUCLEAR PROPULSION  
ELECTRIC POWER PRODUCTION  
NUCLEAR ENERGY  
NUCLEAR REACTORS

**NUCLEAR PROPULSION**

RT ROCKET PROPULSION

**NUCLEAR REACTIONS**

UF Atomic transmutation

**NUCLEAR REACTORS**

UF Atomic piles  
Atomic reactors  
Fission reactors  
Reactors (Atomic)  
Reactors (Nuclear)  
RT HEAT EXCHANGERS  
NUCLEAR ENERGY  
NUCLEAR POWER PLANTS  
REACTOR LATTICE PARAMETERS  
REACTOR SYSTEM COMPONENTS

**NUCLEAR SPINS**

**NUCLEAR WARFARE**

UF Atomic warfare  
BT WARFARE  
RT RADIOLOGICAL WARFARE

**NUCLEAR WARHEADS**

RT NUCLEAR EXPLOSIONS

**NUCLEATION**

RT CONDENSATION

**NUCLEIC ACIDS**

NT RIBONUCLEIC ACIDS  
RT NUCLEOSIDES  
NUCLEOTIDES

**NUCLEONS**  
(Particles constituting the nucleus.)  
BT ELEMENTARY PARTICLES  
NT ELECTRONS

**NEUTRONS**  
PROTONS  
RT CHARGED PARTICLES  
COSMIC RAYS

**NUCLEOSIDES**

UF Synthetic nucleosides  
RT ADENOSINE PHOSPHATES  
CARBOHYDRATES  
MONOSACCHARIDES  
NUCLEIC ACIDS  
RIBONUCLEIC ACIDS

**NUCLEOTIDES**

UF Phosphoribosides  
Ribonucleotides  
RT ADENOSINE PHOSPHATES  
CARBOHYDRATES  
MONOSACCHARIDES  
NUCLEIC ACIDS  
RIBONUCLEIC ACIDS

**Null hypothesis test**

USE STATISTICAL TESTS

**NUMBERS**

**NUMERICAL ANALYSIS**

UF Approximate computation  
Divided differences  
Harr's theorem  
Hi-conditioned matrices  
Lagrange interpolation formula  
Lagrange multipliers  
Polynomial arc smoothing  
Random walk theory  
Smoothing data

**NUMERICAL METHODS AND PROCEDURES**

UF Bisection method  
Crank-Nicolson procedure  
Gauss-Seidel method  
Lanczos's matrix iteration method  
Levenberg's method  
Newton-Raphson method  
Random walk  
Richardson's method  
Runge-Kutta method  
Square root method  
RT MONTE CARLO METHOD

**Nurses**

USE MEDICAL PERSONNEL

**NUTRITION**

(The sum of the processes by which organisms take in and utilize food substances. For habitual or prescribed course of feeding see DIET.)

RT DIET  
FOOD

**Nuts (Mechanics)**

USE LOCKING FASTENER DEVICES

**NYLON**

BT PLASTICS  
RT FIBERS (SYNTHETIC)  
ORLON  
PARACHUTE FABRICS  
TEXTILES

**Nystagmus**

USE EYE and MOTION SICKNESS

0

**OBESITY**

RT BODY WEIGHT  
METABOLISM DISORDERS

**OBSERVATION PLANES**

BT AIRCRAFT  
AIRPLANES

**OBSTRUCTION (PHYSIOLOGY)**

UF Obstruction (Physiology)  
Occlusion (Physiology)  
NT GAS EMBOLEMI

Obstruction (Physiology)  
USE OBSTRUCTION (PHYSIOLOGY)

OC (Operating characteristic)  
USE STATISTICAL ANALYSIS

Occlusion (Physiology)  
USE OBSTRUCTION (PHYSIOLOGY)

Occupancy theory  
USE SCHEDULING

Oceanography  
USE OCEANOLOGY  
OCEANOLOGY  
UF Oceanography  
NT MARINE METEOROLOGY

OCEANS  
RT SEA WATER  
OFFICE EQUIPMENT AND SUPPLIES

OFFICER PERSONNEL  
BT MILITARY PERSONNEL  
PERSONNEL  
RT FLIGHT CREWS

OGIVES  
BT BOOKS OF REVOLUTION  
GEOMETRIC FORMS  
RT CONICAL BODIES  
CURVED PROFILES  
ELLIPSOIDS  
HEMISPHERICAL SHEETS  
PARABOLIC BODIES  
PROJECTILES  
SPHERES

OHMMETERS  
OH burning furnaces  
USE FURNACES

OH smokes  
USE SMOOKES

OH TANKS  
BT CONTAINERS  
TANKS (CONTAINERS)  
RT FUEL TANKS  
STORAGE TANKS  
TANK VENTS

OILS  
NT AIRPLANE ENGINE OILS  
FUEL OIL  
MINERAL OILS  
VEGETABLE OILS  
RT FUELS  
HYDRAULIC FLUIDS  
LUBRICANTS  
PETROLEUM

Oilseed oil  
USE VEGETABLE OILS  
Olfactory thresholds  
USE SMELL  
and THRESHOLDS (PHYSIOLOGY)

Oliguria  
USE EXCRETION  
and URINE

OMNIDIRECTIONAL ANTENNAS  
BT ANTENNA CONFIGURATIONS  
ANTENNAS

OMNIDIRECTIONAL RADIO RANGE

OMNIRANGE  
Operating tables  
USE MEDICAL EQUIPMENT

OPERATION  
OPERATIONAL CALCULUS  
UF 2-terms

OPERATIONS RESEARCH  
NT LINEAR PROGRAMMING  
QUEUEING THEORY  
RT ARMED FORCES RESEARCH  
ENGINEERING  
INDUSTRIAL RESEARCH  
MEDICAL RESEARCH  
MONTE CARLO METHOD  
RESEARCH PROGRAM  
ADMINISTRATION  
SCIENTIFIC RESEARCH  
SEARCH THEORY  
STOCHASTIC PROCESSES  
SYSTEMS (ENGINEERING)

OPERATOR (MATHEMATICS)  
UF Scattering operator

Operator fields  
USE OPERATORS (MATHEMATICS)

OPERATORS (MATHEMATICS)  
UF Group operators  
Echo-fallopp conceptual principle  
Operator fields

Operators (PERSONNEL)  
UF Business machine operators  
BT PERSONNEL

RT AIR TRAFFIC CONTROLLERS  
MOTOR VEHICLE OPERATORS  
NAVIGATORS  
PILOTS  
RADAR OPERATORS  
RADIO OPERATORS

RT AVIATION PERSONNEL  
GOVERNMENT EMPLOYEES  
INSTRUCTORS  
MAINTENANCE PERSONNEL  
MILITARY PERSONNEL

OPHTHALMOLOGY

UF Dioptrics  
Haploscopes  
Optometry

BT MEDICINE

OPHTHALMOLOGY

BT MEDICINE

OPTICAL ANALYSIS

RT COLORIMETRY  
MICROSCOPY  
SPECTROSCOPY  
X-RAY DIFFRACTION ANALYSIS

Optical bundles  
USE FIBER OPTICS

OPTICAL EQUIPMENT

UF Light ranging systems  
NT BINOCULARS  
INFRARED EQUIPMENT  
MIRRORS  
PERISCOPES  
PHOTO THEODOLITES  
TELESCOPES  
THEODOLITES

RT INFRARED OPTICAL SYSTEMS  
LIGHT COMMUNICATION  
SYSTEMS  
LIGHTING EQUIPMENT  
OPTICAL EQUIPMENT  
COMPONENTS  
OPTICAL INSTRUMENTS  
OPTICAL MATERIALS  
SPECTROSCOPY

OPTICAL EQUIPMENT COMPONENTS

NT DIFFRACTION GRATINGS  
INFRARED FILTERS  
LASERS  
OPTICAL FILTERS  
OPTICAL TARGET DESIGNATORS  
PHOTOELECTRIC CELLS  
(SEMICONDUCTOR)  
PHOTOGRAPHIC FILTERS  
ULTRAVIOLET FILTERS

RT FILTERS (ELECTROMAGNETIC  
WAVE)  
IMAGE INTENSIFIERS  
(ELECTRONICS)  
LENSES  
OPTICAL EQUIPMENT  
OPTICAL INSTRUMENTS  
POLARIZING FILTERS

Optical fibers  
USE FIBER OPTICS

OPTICAL FILTERS  
BT FILTERS (ELECTROMAGNETIC  
WAVE)

NT INFRARED FILTERS  
PHOTOGRAPHIC FILTERS  
ULTRAVIOLET FILTERS  
RT ELECTROMAGNETIC LENSES  
LENSES  
POLARIZING FILTERS

OPTICAL GLASS

BT GLASS  
OPTICAL MATERIALS  
RT INFRARED OPTICAL MATERIALS  
PHOSPHORUS

Optical illusions  
USE ILLUSIONS  
and VISION

OPTICAL IMAGES

BT IMAGES  
LIGHT  
OPTICAL PHENOMENA  
LIGHT PULSES  
MONOCHROMATIC LIGHT

OPTICAL INSTRUMENTS

RT INFRARED  
SPECTROPHOTOMETERS  
INTERFEROMETERS  
PHOTOMETERS  
POLARISCOPES  
RADOMETERS  
RETACTOMETERS  
SPECTROPHOTOMETERS  
SPECTRUM ANALYZERS  
RT COLLIMATORS  
INFRARED EQUIPMENT  
OPTICAL EQUIPMENT

OPTICAL EQUIPMENT COMPONENTS

OPTICAL MATERIALS  
SPECTROSCOPY

OPTICAL MATERIALS

(Materials that are specially prepared to allow the passage of light with minimum aberration)

UF Optical plastics  
NT OPTICAL GLASS  
RT OPTICAL EQUIPMENT  
OPTICAL INSTRUMENTS  
OPTICAL PHENOMENA  
OPTICAL PROPERTIES  
OPTICS

OPTICAL PHENOMENA

NT FLUORESCENCE  
INFRARED RADIATION  
LIGHT  
LIGHT PULSES  
LUMINESCENCE  
MONOCHROMATIC LIGHT  
OPTICAL IMAGES  
PHOSPHORESCENCE  
PHOSPHORESCENCE  
PHOTOCONDUCTIVITY  
ULTRAVIOLET RADIATION  
RT OPTICAL MATERIALS  
OPTICS

Optical plastics  
USE OPTICAL MATERIALS

OPTICAL PROPERTIES

UF Physical properties (Optics)  
NT ATMOSPHERIC REFRACTION  
BRIGHTNESS  
COLORS  
DIFFRACTION  
DISTORTION  
FOCUSING  
ILLUMINATION  
LIGHT TRANSMISSION  
MAGNETO-OPTIC EFFECT  
REFRACTION  
REFRACTIVE INDEX  
RESOLUTION  
SMELL, LAW  
VISIBILITY

RT OPTICAL MATERIALS  
OPTICS

REFLECTION

OPTICAL SCANNING

RT ELECTRONIC SCANNERS

OPTICAL SIGHTS

(Sights with lenses, prisms, or mirrors used for laying weapons or for aerial bombing)

UF Stadiometers

BT SIGHTS

OPTICAL TARGET DESIGNATORS

BT OPTICAL EQUIPMENT  
COMPONENTS  
TARGET DESIGNATORS  
TRACKING

RT DETECTION

OPTICAL TRACKING

BT TRACKING

RT LIGHT HOANG  
OPTICAL TARGET DESIGNATORS  
PHOTO THEODOLITES  
TARGET DESIGNATORS  
THEODOLITES

OPTICS

NT ELECTRON OPTICS  
FIBER OPTICS  
RT ELECTROMAGNETIC WAVE  
REFLECTIONS  
OPTICAL MATERIALS  
OPTICAL PHENOMENA  
OPTICAL PROPERTIES  
PHYSICS

OPTIMIZATION

Optometry  
USE OPHTHALMOLOGY

ORBITAL TRAJECTORIES

BT TRAJECTORIES  
NT EQUATORIAL ORBIT  
TRAJECTORIES

Ordered division rings

USE ALGEBRA

ORES (NON-METALLIC)

RT SOILS

ORGANIC COATINGS

BT COATINGS

TRENDS & FINISHING

NT BITUMINOUS COATINGS  
PLASTIC COATINGS  
RUBBER COATINGS

RT ORGANIC MATERIALS

ORGANIC COMPOUNDS

BT CHEMICAL COMPOUNDS

NT ALCOHOL

HYDROCARBONS

RT ORGANIC MATERIALS

ORGANIC MATERIALS

(Naturally occurring substances  
Excludes classes of organic  
compounds and specific  
compounds)

BT MATERIALS

NT ASPHALT

CARBON BLACK

MINERAL OILS

PETROLEUM

VEGETABLE OILS

RT ORGANIC COATINGS

ORGANIC COMPOUNDS

Organizations (Military)

USE MILITARY ORGANIZATIONS

Organizations (Scientific)

USE SCIENTIFIC ORGANIZATIONS

ORIENTATION

(Determination of sense of position in  
relation to the environment)

ORIFICES

RT AERODYNAMIC SLOTS

DUCT INLETS

DUCTED BODIES

DUCTS

INLET GUIDE VANES

ORLON

BT FIBERS

FIBERS (SYNTHETIC)

TEXTILES

RT NYLON

Ornstein-Uhlenbeck process

USE STATISTICAL PROCESSES

Orthopaedics

USE MEDICINE  
and MUSCULOSKELETAL SYSTEM

Osage orange

USE TREES

OSCILLATION

BT MOTION

RT DAMPING

MECHANICAL WAVES

RESONANCE

VIBRATION

Oscillator circuits

USE OSCILLATORS

OSCILLATORS

UF Electromagnetic oscillators

Feedback oscillators

Oscillator circuits

BACKWARD-WAVE OSCILLATORS

CRYSTAL OSCILLATORS

HARMONIC OSCILLATORS

MICROWAVE OSCILLATORS

RADIOFREQUENCY OSCILLATORS

RELAXATION OSCILLATORS

RT COILS

ELECTROMAGNETIC AMPLIFIERS

ELECTRON TUBE PARTS

ELECTRON TUBES

FEEDBACK

MODULATORS

PHASE DETECTORS

RESONATORS

SEMICONDUCTOR DEVICES

TRIGGER CIRCUITS

WAVEGUIDES

Oscillograms

USE OSCILLOGRAPHY

OSCILLOGRAPHY

UF Oscillograms

BT OSCILLOSCOPES

Oscilloscope probes

USE PROBES (ELECTROMAGNETIC)

OSCILLOSCOPES

BT TEST EQUIPMENT

(ELECTRONICS)

NT OSCILLOGRAPHY

RT FREQUENCY ANALYZERS

NOISE ANALYZERS

Osteology

USE BONE

OSTEO

USE DISEASE

and EAR

**OTORHINOLARYNGOLOGY**  
BT MEDICINE  
**Ovaries**  
USE SEX GLANDS  
**Ovens**  
USE FURNACES  
**OVERFLIGHT**  
(Flights that are not inbound for or departing from the instrument terminal or one of its satellites)  
BT FLIGHT  
**Overshoot**  
USE MISSED APPROACH  
**Oxidases**  
USE OXIDOREDUCTASES  
**OXIDATION**  
BT CHEMICAL REACTIONS  
RT COMBUSTION  
CORROSION  
**Oxidation inhibitors**  
USE ANTIOXIDANTS  
**OXIDE CATHODES**  
BT CATHODES (ELECTRON TUBES)  
ELECTRON TUBE PARTS  
RT ELECTRON TUBES  
**OXIDES**  
NT CARBON DIOXIDE  
DIOXIDES  
MONOXIDES  
RARE EARTHS  
RT OXYGEN  
**OXIDOREDUCTASES**  
UF Dehydrogenases  
Oxidases  
Tyrosinase  
Xanthine oxidase  
BT ENZYMES  
**OXIMETERS**  
(Devices for continuously measuring the degree of oxygen saturation of the circulating blood)  
RT HEMATOLOGY  
HEMOGLOBIN  
OXYGEN CONSUMPTION  
**OXYGEN**  
UF Hyperventilation  
Hypoxemia  
Oxygen poisoning  
BT GROUP V ELEMENTS  
NON-METALS  
RT OXIDES  
MONOXIDES  
OXIDES  
**OXYGEN CONSUMPTION**  
UF Tissue respiration  
RT METABOLISM  
OXIMETERS  
RESPIRATION  
**OXYGEN EQUIPMENT**  
RT OXYGEN MASKS  
A. BREATHING APPARATUS  
LIFE SUPPORT  
**OXYGEN MASKS**  
BT BREATHING APPARATUS  
BREATHING MASKS  
OXYGEN EQUIPMENT  
RT PRESSURE BREATHING  
**Oxygen poisoning**  
USE OXYGEN  
and POISONING  
**Oxytocin**  
USE PITUITARY HORMONES  
**OZONE**

**P**

**PACKAGED CIRCUITS**  
BT CIRCUITS  
RT INTEGRATED CIRCUITS  
INVERTER CIRCUITS  
MODULES (ELECTRONIC)  
MOLECULAR ELECTRONICS  
PRINTED CIRCUITS  
**Packaging**  
USE CONTAINERS  
**Packings (Boats)**  
USE SEALS (STOPPERS)

**PACKS (PARACHUTE)**  
BT CONTAINERS  
**Pad**  
USE CARTRIDGES (PAD)  
**PAIN**  
UF Headache  
Neuralgia  
Pain thresholds  
BT PERCEPTION  
SENSORY MECHANISMS  
**Pain thresholds**  
USE PAIN  
and THRESHOLDS (PHYSIOLOGY)  
**Painleve equation**  
USE NONLINEAR DIFFERENTIAL EQUATIONS  
**Painleve transcendents**  
USE NONLINEAR DIFFERENTIAL EQUATIONS  
**PAINT REMOVERS**  
(Chemicals, solvents, and apparatus for removing paint, varnish, lacquers, shellac, etc.)  
UF Lacquer removers  
Varnish removers  
RT CLEANING COMPOUNDS  
**PAINTS**  
(Pigmented coatings usually with organic binder and solvent)  
BT COATINGS  
FINISHES & FINISHING  
RT PLASTIC COATINGS  
**PALLADIUM ALLOYS**  
BT ALLOYS  
**PALLADIUM COMPOUNDS**  
**PANEL BOARDS (ELECTRICITY)**  
BT CONTROL PANELS  
**Panels (Heating)**  
USE RADIANT HEATING PANELS  
**PANELS (STRUCTURAL)**  
BT STRUCTURAL PARTS  
NT AIRPLANE PANELS  
SANDWICH PANELS  
TRANSPARENT PANELS  
RT MONEYS COMB CORES  
RADIANT HEATING PANELS  
SHEETS  
**Panthers**  
USE INTEGRAL TRANSFORMS  
**PAPER**  
**PARABOLIC ANTENNAS**  
BT ANTENNA CONFIGURATIONS  
ANTENNAS  
**PARABOLIC BOOMS**  
BT BOOMS OF REVOLUTION  
GEOMETRIC FORMS  
RT BLUNT BOOMS  
CURVED PROFILES  
ELLIPSOIDS  
HEMISPHERICAL SHELLS  
MONOCOQUES  
OGIVES  
**PARACHUTE DESCENTS**  
(Descent of personnel, supplies or ordinance items equipped with parachutes. For parachuting, see PARACHUTE JUMPING; for planning strategy, equipment, etc. that are associated with parachute dropped supplies or personnel, see AIR-DROP OPERATIONS)  
RT AIR-DROP OPERATIONS  
FALLING BOOMS  
PARACHUTE JUMPING  
**PARACHUTE FABRICS**  
BT TEXTILES  
RT DACRON  
NYLON  
PARACHUTES  
SILK  
**PARACHUTE JUMPING**  
RT AIR-DROP OPERATIONS  
PARACHUTE DESCENTS  
**PARACHUTES**  
NT CRAB PARACHUTES  
RIBBON PARACHUTES  
RT AIR-DROP OPERATIONS  
AVIATION SAFETY  
PARACHUTE FABRICS  
ROTORCHUTES  
**Parasymphotic species**  
USE TOPOLOGY

**Paramagnetic crystals**  
USE PARAMAGNETIC MATERIALS  
**PARAMAGNETIC MATERIALS**  
(Materials having magnetic permeabilities greater than unity)  
UF Paramagnetic crystals  
Paramagnetic salts  
BT MAGNETIC MATERIALS  
RT CRYSTALS  
FERROMAGNETIC MATERIALS  
MAGNETISM  
**PARAMAGNETIC RESONANCE**  
RT MAGNETIC FIELDS  
MAGNETIC PROPERTIES  
**Paramagnetic salts**  
USE PARAMAGNETIC MATERIALS  
**PARAMETRIC AMPLIFIERS**  
BT AMPLIFIERS  
MICROWAVE AMPLIFIERS  
RT MAGNETIC AMPLIFIERS  
TRANSISTOR AMPLIFIERS  
**PARASITE PLANES**  
BT AIRCRAFT  
AIRPLANES  
**Parasympathetic nervous system**  
USE AUTONOMIC NERVOUS SYSTEM  
**PARAWINGS**  
UF Rogallo wings  
BT WINGS  
**Paraldehyde**  
USE AMPHETAMINES  
**PARENTERAL INFUSIONS**  
UF Infusions (Parenteral)  
Intravenous feeding  
RT THERAPY  
**Parking aprons**  
USE APRONS  
**PARTIAL DIFFERENTIAL EQUATIONS**  
UF Block equation  
Cauchy problem  
Elliptic differential equations  
Elliptic systems  
Euler's equations  
Field equation  
Goldstein's model  
Goursat problem  
Hadamard's method  
Heat equation  
Hyperbolic systems  
Hypercircle method  
Kellogg-Evans theorem  
Lagrange multipliers  
Laplace's equation  
Liebman method  
Maxwell's equations  
Navier-Stokes equations  
Poisson differential equations  
Radau-Treiman-German (rig)  
Radau-Treiman-German problem  
Riemann invariants  
Schrödinger problem  
Strip solution  
Sturm-Liouville theory  
Time-like variables  
Treiman equation  
Weierstrass's equation  
**PARTICLE ACCELERATOR COMPONENTS**  
RT ALTERNATING CURRENT  
**PARTICLE ACCELERATOR TARGETS**  
UF Cyclotron targets  
**PARTICLE ACCELERATOR TECHNIQUES**  
RT ALTERNATING CURRENT  
**PARTICLE FIELDS**  
UF Beams (Particle)  
RT ALTERNATING CURRENT  
**PARTICLE SIZE**  
**PARTICLES**  
(Abstractly subdivided solids or liquids for concepts relating to the ultimate constituents of matter, see ELEMENTARY PARTICLES; for suspensions of particles in various media, see COLLOIDS)  
RT DROPS  
POWDERS  
SPRAYS  
RT ELEMENTARY PARTICLES  
SMOKES  
**Parts catalogs**  
USE CATALOGS

**PASSENGER VEHICLES**  
UF Automobiles  
Buses  
Cars  
BT VEHICLES  
NT AMBULANCES  
RT SLEDS  
SNOW VEHICLES  
TOWED VEHICLES  
**PASSENGERS**  
UF Aircraft passengers  
Airline passengers  
Motor vehicle passengers  
**PATENTS**  
**Pathological effects**  
USE PATHOLOGY  
**PATHOLOGY**  
(The science of general pathological effects. For specific pathologic states, see DISEASES)  
UF Dyspnea  
Heart arrest  
Myopathy  
Pathological effects  
NT CONVULSIVE DISORDERS  
RT DIAGNOSIS  
ETIOLOGY  
HEMATOLOGY  
HISTOLOGY  
MEDICINE  
**PATROL BOMBERS**  
UF Scout bombers  
BT AIRCRAFT  
AIRPLANES  
BOMBERS  
PATROL PLANES  
**PATROL PLANES**  
UF Scout planes  
BT AIRCRAFT  
AIRPLANES  
NT PATROL BOMBERS  
**PATTERN RECOGNITION**  
(Comparison, evaluation, interpretation, or memorization of graphic displays by machines)  
UF Character recognition  
RT ARTIFICIAL INTELLIGENCE  
BIONICS  
CYBERNETICS  
READING MACHINES  
**PAYMENTS**  
UF Concrete pavements  
Concrete surfacing  
RT ASPHALT  
CONCRETE  
**Pay**  
USE WAGES  
**Payroll**  
USE WAGES  
**PEAK AIR TRAFFIC**  
BT AIR TRAFFIC  
**Peano curve**  
USE TOPOLOGY  
Peano's type III functions  
USE STATISTICAL FUNCTIONS  
**Pendulum type equations**  
USE DIFFERENTIAL EQUATIONS  
**PENETRATION**  
RT DAMAGE  
EXPLOSION EFFECTS  
VULNERABILITY  
**Pennants**  
USE FLAGS  
**PENTABORANES**  
BT BORANES  
BORON COMPOUNDS  
CHEMICAL COMPOUNDS  
**PENTODES**  
BT ELECTRON TUBES  
**PERCEPTION**  
NT HEARING  
PAIN  
PROPNOCEPTION  
SENSORY MECHANISMS  
SMELL  
SPACE PERCEPTION  
TOUCH  
VISION  
RT ACUITY  
AUDIOMETRY  
PSYCHOLOGY  
STIMULATION  
THRESHOLDS (PHYSIOLOGY)  
**Percussion detonators**  
USE DETONATORS

# PERFORMANCE TESTS

## PERFORMANCE TESTS

### PERIODIC VARIATIONS

UF Cyclic variations

Periodicity

NT DIURNAL VARIATIONS

SEASONAL VARIATIONS

### PERIODICALS

UF Magazines

RT LIBRARIES

MILITARY PUBLICATIONS

NEWSPAPERS

Periodicity

USE PERIODIC VARIATIONS

### PERISCOPES

BT OPTICAL EQUIPMENT

### PERMAFROST

RT SOIL MECHANICS

### PERMANENT MAGNET GENERATORS

BT GENERATORS

RT ELECTRIC POWER PRODUCTION

POWER EQUIPMENT

POWER EQUIPMENT PARTS

Permanent magnets

USE MAGNETS

Permanent mold casting

USE CASTING

### PERMEAMETERS

### PERMUTATIONS

USE COMBINATORIAL ANALYSIS

### PERSONALITY

RT BEHAVIOR

PERSONALITY TESTS

PSYCHOLOGY

### PERSONALITY TESTS

RT PERSONALITY

PSYCHOMETRICS

### PERSONNEL

NT AVIATION PERSONNEL

GOVERNMENT EMPLOYEES

INSTRUCTORS

MAINTENANCE PERSONNEL

MILITARY PERSONNEL

OFFICER PERSONNEL

OPERATORS (PERSONNEL)

PROFESSIONAL PERSONNEL

STUDENTS

Personnel ejection catapult cart.

USE CARTRIDGES (PAD)

### PERSONNEL MANAGEMENT

(The phase of management concerned

with the engagement and effective

utilization of manpower to obtain

optimum efficiency of human

resources.)

NT JOB ANALYSIS

LABOR UNIONS

RT EMPLOYEE RELATIONS

INDUSTRIAL RELATIONS

LABOR

MANAGEMENT ENGINEERING

Perapex

USE ACRYLIC RESINS

### PERSPIRATION

RT EXCRETION

### PERTURBATION THEORY

### Pervitin

USE AMPHETAMINES

### PEST CONTROL

UF Fumigation

NT INSECT CONTROL

### PESTICIDES

UF Acaricides

Antipest impregnants

NT INSECTICIDES

### PETROLEUM

UF Petroleum products

BT ORGANIC MATERIALS

RT FUELS

KEROSENE

LUBRICANTS

OILS

Petroleum products

USE PETROLEUM

### PH

(Concentration of hydrogen ions.

negative logarithm of the hydrogen

ion concentration.)

UF A lity

Hydrogen ion concentration

Phaeophyta

USE ALGA

Pharmacogony

USE PHARMACOLOGY

## Pharmacological effects

### USE PHARMACOLOGY

### PHARMACOLOGY

UF Materia medica

Pharmacognosy

Pharmacological effects

NT DRUGS

RT ALCOHOL

MEDICINE

THERAPY

Pharynx

USE THROAT

### PHASE DETECTORS

BT CIRCUITS

RT OSCILLATORS

### PHASE DISTORTION

UF Delay distortion

RT FREQUENCY MODULATION

### PHASE MEASUREMENT

### PHASE METERS

BT MEASURING DEVICES (ELEC AND

ELECTR)

### PHASE MODULATION

BT MODULATION

RT AMPLITUDE MODULATION

FREQUENCY MODULATION

PULSE MODULATION

### PHASE SHIFTERS

### PHASE STUDIES

UF Phase transitions

Phase transitions

USE PHASE STUDIES

### PHASE-LOCKED

### COMMUNICATION SYSTEMS

BT COMMUNICATION SYSTEMS

### PHENOLIC PLASTICS

UF Phenolic resins

BT PLASTICS

THERMOSETTING PLASTICS

Phenolic resins

USE PHENOLIC PLASTICS

### Philology

USE LANGUAGE

### Phonetics

USE SPEECH REPRESENTATION

### Phosphatases

USE PHOSPHORIC MONOESTER

HYDROLASES

### PHOSPHATE COATINGS

BT COATINGS

FINISHES & FINISHING

PROTECTIVE TREATMENTS

### PHOSPHOLIPIDS

UF Lecithins

BT LIPIDS

### PHOSPHORENCE

BT OPTICAL PHENOMENA

### PHOSPHORESCENCE

BT LUMINESCENCE

OPTICAL PHENOMENA

### PHOSPHORESCENT MATERIALS

UF Phosphors

Phosphoribosides

USE NUCLEOTIDES

### PHOSPHORIC MONOESTER

### HYDROLASES

UF Fluorophosphatase

Phosphatases

BT ENZYMES

HYDROLASES

Phosphors

USE PHOSPHORESCENT MATERIALS

### PHOSPHORUS

BT GROUP V ELEMENTS

NON-METALS

RT ELECTROLUMINESCENCE

OPTICAL GLASS

### PHOSPHORUS COMPOUNDS

### PHOSPHORUS TRANSFERASES

BT ENZYMES

### PHOTO INTERPRETABILITY

RT PHOTOGRAPHY

### PHOTO INTERPRETATION

(Art of identifying and describing

objects in photographs as for military

or topographic significance)

RT AERIAL RECONNAISSANCE

MILITARY INTELLIGENCE

PHOTOGRAMMETRY

PHOTOGRAPHY

Photochemical effects

USE PHOTOCHEMISTRY

Photochemical reactions

USE PHOTOCHEMISTRY

## PHOTOCHEMISTRY

(The effect of radiant energy as light in

producing chemical changes)

UF Photochemical effects

Photochemical reactions

Photolysis

BT CHEMICAL REACTIONS

CHEMISTRY

PHYSICAL CHEMISTRY

NT PHOTOCHEMISM

PHOTOSYNTHESIS

### PHOTOCHEMISM

(Light absorption effects in certain

dyes which may be developed and

exposed upon suitable exposure to

electromagnetic energy.)

BT PHOTOCHEMISTRY

RT DISPLAY SYSTEMS

### PHOTOCONDUCTIVITY

(Change of electrical conductivity by

light.)

BT CONDUCTIVITY

ELECTRICAL CONDUCTANCE

ELECTRICAL PROPERTIES

OPTICAL PHENOMENA

RT RESISTANCE (ELECTRICAL)

Photoconductors

USE PHOTOELECTRIC MATERIALS

Photoelastic materials

USE PHOTOELASTICITY

### PHOTOELASTICITY

(Detecting and measuring strains and

stresses by polarized light, and

materials therefor.)

UF Photoelastic materials

BT ELASTICITY

MECHANICAL PROPERTIES

RT STRESSES

### PHOTOELECTRIC CELLS

RT Energy conversion

### PHOTOELECTRIC CELLS

(ELECTRON TUBE)

USE PHOTOTUBES

RT PHOTOELECTRIC CELLS

(SEMICONDUCTOR)

### PHOTOELECTRIC CELLS

(SEMICONDUCTOR)

UF Phototransistors

BT OPTICAL EQUIPMENT

COMPONENTS

SEMICONDUCTOR DEVICES

RT DIODES (SEMICONDUCTOR)

PHOTOELECTRIC CELLS

(ELECTRON TUBE)

TRANSISTORS

### PHOTOELECTRIC EFFECT

UF Photoemission

Photopotentials

### PHOTOELECTRIC MATERIALS

(Materials that undergo changes in

electrical properties when exposed

to radiation.)

UF Photoconductors

Photoelectric target seekers

USE HOMING DEVICES

and LIGHT HOMING

Photoemission

USE PHOTOELECTRIC EFFECT

### PhotoFlash bulbs

USE FLASH LAMPS

### PHOTOGRAMMETRY

BT MAPPING

RT AERIAL RECONNAISSANCE

PHOTO INTERPRETATION

PHOTOGRAPHY

### PHOTOGRAPHIC ANALYSIS

RT PHOTOGRAPHIC INTELLIGENCE

PHOTOGRAPHY

### PHOTOGRAPHIC EQUIPMENT

NT FILM PROJECTORS

FILM READERS

FLASH LAMPS

PHOTOGRAPHIC FILTERS

CAMERAS

FACSIMILE EQUIPMENT

PHOTOGRAPHIC RECORDING

MEDIA

PHOTOGRAPHIC RECORDING

SYSTEMS

PHOTOGRAPHS

PHOTOGRAPHIC FILM

NT MICROFILM

PHOTOGRAPHIC FILTERS

BT OPTICAL EQUIPMENT

COMPONENTS

OPTICAL FILTERS

# PHOTOGRAPHIC EQUIPMENT

## PHOTOGRAPHIC EQUIPMENT

RT INFRARED FILTERS

POLARIZING FILTERS

ULTRAVIOLET FILTERS

### PHOTOGRAPHIC INTELLIGENCE

BT MILITARY INTELLIGENCE</

**PHYSICS (Con.)**

MATHEMATICS  
MECHANICS  
NUCLEAR PHYSICS  
OPTICS  
PLASMA PHYSICS  
QUANTUM MECHANICS  
SCIENTIFIC RESEARCH  
SOLID STATE PHYSICS  
THERMODYNAMICS

**Physiological aging**  
USE AGING (PHYSIOLOGY)

**Physiological chemistry**  
USE BIOCHEMISTRY

**Physiological effects**  
USE PHYSIOLOGY

**Physiological factors**  
USE PHYSIOLOGY

**PHYSIOLOGY**

UF Neurophysiology  
Physiological effects  
Physiological factors  
RT ALCOHOL  
ANATOMY  
BLOOD  
BODY  
CELLS (BIOLOGY)  
NEUROLOGY  
TISSUES (BIOLOGY)

**Picture frustration study**  
USE PROJECTIVE TECHNIQUES

**PICTURES**

(For graphic representations produced by photographic means, see PHOTOGRAPHS)

RT PHOTOGRAPHS

**PIEZOELECTRIC CRYSTALS**

UF Piezoelectric materials  
BT CRYSTALS

RT CRYSTAL FILTERS

**PIEZOELECTRIC EFFECT**

BT ELECTRICAL PROPERTIES  
RT ELECTROSTRICTION  
FERROELECTRICITY

**Piezoelectric materials**

USE PIEZOELECTRIC CRYSTALS

**PIEZOELECTRIC TRANSDUCERS**

**Pigs**

USE SWINE

**Pilot licenses**

USE LICENSING

**PILOT SEATS**

BT AIRCRAFT EQUIPMENT  
AIRCRAFT SEATS  
RT COCKPITS  
EJECTION SEATS

**Pilot training**

USE TRAINING

and PILOTS

**PILOT WARNING INDICATORS**

(Devices designed to alert an aircraft pilot to the presence of another aircraft at or near his altitude.)

BT WARNING SYSTEMS

RT AVIATION SAFETY

**Pilotless aircraft**

USE DRONES

**PILOTS**

UF Pilot training  
BT AVIATION PERSONNEL  
OPERATORS (PERSONNEL)  
RT MILITARY PERSONNEL  
NAVIGATORS

**PIPES**

UF Tubes

RT HOSES

**PISTON RINGS**

BT ENGINE STRUCTURE

**PISTONS**

BT ENGINE STRUCTURES

**Pitch (Acoustic)**

USE SOUND PITCH

**PITCH (MOTION)**

UF Stability (Longitudinal)

BT MOTION

RT FLIGHT CHARACTERISTICS

**PITCH DISCRIMINATION**

RT HEARING

SOUND PITCH

**Pitot static tubes**

USE PITOT TUBES

**PITOT TUBES**

UF Impact tubes

Pitot static tubes

BT PRESSURE GAGES

**PITUITARY HORMONES**

UF Gonadotropin  
Oxytocin  
Vasopressin  
BT HORMONES  
NT ADRENOCORTICOTROPIC  
HORMONES

**PLAN POSITION INDICATORS**

UF PPI  
VPR  
BT DISPLAY SYSTEMS  
POSITION FINDING  
RT CATHODE RAY TUBES  
DETECTION  
DIRECTION FINDING  
GROUND-POSITION INDICATORS  
RADAR IMAGES  
RANGES (DISTANCE)  
TARGET POSITION INDICATORS  
TRACKING

**Planar gratings**  
USE DIFFRACTION GRATINGS

**Planetary circulation**  
USE ATMOSPHERIC MOTION

**PLANETS**

NT EARTH

**PLANING SURFACES**

BT HYDRODYNAMIC  
CONFIGURATIONS  
NT FLYING BOAT HULLS  
HYDRO-SKIS  
HYDROFOILS  
SEAPLANE FLOATS  
RT CONTROL SURFACES  
HYDRAULIC MODELS

**Plant metabolism**  
USE METABOLISM  
and PLANTS (BOTANY)

**Plant products**  
USE PLANTS (BOTANY)

**PLANTS (BOTANY)**

UF Botany  
Plant metabolism  
Plant products  
Tradescantia  
NT ALGAE  
COTTON  
FUNGI  
GRASSES  
TREES  
RT AGRICULTURE  
BACTERIA  
POLLEN

**Plants (Engineering)**

USE INDUSTRIAL PLANTS

**Plasma (Blood)**

USE BLOOD PLASMA

**PLASMA JETS**

BT JETS  
PLASMA PHYSICS  
RT GAS IONIZATION  
**PLASMA OSCILLATIONS**  
BT PLASMA PHYSICS  
RT GAS IONIZATION  
**PLASMA PHYSICS**  
NT PLASMA JETS  
PLASMA OSCILLATIONS  
GAS DISCHARGES  
GAS IONIZATION  
MAGNETOHYDRODYNAMICS  
NUCLEAR PHYSICS  
PHYSICS  
THERMODYNAMICS

**Plasma proteins**

USE BLOOD PROTEINS

**Plasma volume**

USE BLOOD VOLUME

**PLASTIC COATINGS**

BT COATINGS  
FINISHES & FINISHING  
ORGANIC COATINGS  
RT PAINTS

**Plastic flow**

USE CREEP

**Plastic foams**

USE EXPANDED PLASTICS

**Plastic gaskets**

USE PLASTIC SEALS

**Plastic laminates**

USE LAMINATED PLASTICS

**PLASTIC SEALS**

UF Plastic gaskets  
BT SEALS (STOPPERS)  
RT TUEL SEALS  
GAS SEALS  
ROTARY SEALS

**Plastic thread**

USE FIBERS (SYNTHETIC)

**PLASTICITY**

BT MECHANICAL PROPERTIES  
RT BRITTLENESS  
DEFORMATION  
DUCTILITY  
ELASTICITY

**PLASTICIZERS**

RT BINDERS

**PLASTICS**

UF Plastics  
NT ACRYLIC RESINS  
CELLULOSIC PLASTICS  
EPOXY PLASTICS  
EXPANDED PLASTICS  
HALOCARBON PLASTICS  
HEAT-RESISTANT PLASTICS  
ISOCYANATE PLASTICS  
LAMINATED PLASTICS  
NYLON  
PHENOLIC PLASTICS  
POLYESTER PLASTICS  
POLYETHYLENE PLASTICS  
SILICONE PLASTICS  
STYRENE PLASTICS  
THERMOSETTING PLASTICS  
VINYL PLASTICS  
ELASTOMERS

**Plates (Metal)**

USE METAL PLATES

**PLATING**

BT COATINGS  
FINISHES & FINISHING  
NT VAPOR PLATING  
RT FLAME SPRAYING  
METAL COATINGS

**Plastiglas**

USE ACRYLIC RESINS

**PLOTTERS**

(Devices for plotting trajectories and courses.)

NT PLOTTING BOARDS  
RT FIRE CONTROL SYSTEMS  
NAVIGATION

**PLOTTING BOARDS**

BT PLOTTERS

RT BOMBING

**PLUG NOZZLES**

BT ROCKET MOTOR NOZZLES

**PLUG VALVES**

BT VALVES

**Plugs (Electricity)**

USE ELECTRIC CONNECTORS

**PLYWOOD**

UF Fire-resistant plywood  
Veneer  
BT LAMINATES  
WOOD  
RT SANDWICH CONSTRUCTION

**PNEUMATIC BRAKES**

UF Air brakes  
BT BRAKES  
PNEUMATIC DEVICES

**PNEUMATIC DEVICES**

UF Pneumatic reservoirs  
Reservoirs (Pneumatic)  
NT PNEUMATIC BRAKES  
PNEUMATIC SERVOMECHANISMS

**Pneumatic life rafts**

USE LIFE RAFTS

**Pneumatic reservoirs**

USE PNEUMATIC DEVICES

**PNEUMATIC SERVOMECHANISMS**

BT PNEUMATIC DEVICES  
SERVOMECHANISMS  
RT SERVOMOTORS  
SYNCHROS

**PNEUMATIC SYSTEMS**

BT AIRCRAFT SYSTEMS  
RT GAS-GENERATING SYSTEMS  
PRESSURE

**PNEUMATIC VALVES**

UF Gas valves  
BT VALVES  
RT HIGH-PRESSURE VALVES

**Poincare duality (Theorem)**

USE ALGEBRAIC TOPOLOGY

**Point discharge**

USE ELECTRICAL CORONA

**Point-contact transistors**

USE TRANSISTORS

**Poison tolerance**

USE TOXIC TOLERANCES

**POISONING**

UF Hyperventilation  
Oxygen poisoning  
RT TOXICITY

**POISONOUS GASES**

RT AEROSOLS

**Poisson difference equations**

USE DIFFERENCE EQUATIONS

**Poisson differential equations**

USE PARTIAL DIFFERENTIAL

EQUATIONS

**Poisson limit**

USE PROBABILITY

**Poisson parameter**

USE STATISTICAL ANALYSIS

**Poisson process**

USE STATISTICAL PROCESSES

**Poisson sampling**

USE SAMPLING

**Poisson transform**

USE INTEGRAL TRANSFORMS

**Poisson's integral**

USE INTEGRALS

**POLAR REGIONS**

UF Antarctic regions  
Arctic regions  
RT CLIMATOLOGY

**POLARISCOPES**

BT OPTICAL INSTRUMENTS

**POLARIZATION**

(includes electrical, magnetic, and optical polarization.)

NT ELECTRIC MOMENTS

MAGNETIC MOMENTS

RT ELECTROSTRICTION

FERROELECTRICITY

FERROMAGNETISM

MAGNETIC PROPERTIES

MAGNETO-OPTIC EFFECT

**POLARIZING FILTERS**

RT OPTICAL EQUIPMENT  
COMPONENTS  
OPTICAL FILTERS  
PHOTOGRAPHIC FILTERS

**POLAROGRAPHIC ANALYSIS**

BT CHEMICAL ANALYSIS  
QUANTITATIVE ANALYSIS

**POLITICAL SCIENCE**

UF Civil government  
Geopolitics  
Government  
Government (Foreign)  
BT SOCIOLOGY  
RT UNITED STATES GOVERNMENT

**POLLEN**

RT AEROBIOLOGY  
ATMOSPHERIC POLLUTION  
PLANTS (BOTANY)  
SEEDS

**Polycythemia**

USE BLOOD DISORDERS

**POLYESTER PLASTICS**

(Plastics produced by reactions of dibasic acids with dihydric alcohols. Includes polyester polymers and polyester resins.)

UF Alkyd resins

BT PLASTICS

THERMOSETTING PLASTICS

**POLYETHYLENE PLASTICS**

UF Polyethylene polymers  
Polyolefin plastics  
BT PLASTICS

**Polyethylene polymers**

USE POLYETHYLENE PLASTICS

**Polykeys**

USE STATISTICAL ANALYSIS

**POLYMERS**

(For polymerized compounds used as construction materials, etc., see PLASTICS, SYNTHETIC RUBBER.)

**Polymethanes**

USE ISOCYANATE PLASTICS

**Polymethenes**

USE ISOCYANATE PLASTICS

**Polymethylmethacrylate**

USE ACRYLIC RESINS

**Polynomial curve smoothing**

USE NUMERICAL ANALYSIS

**POLYNOMIALS**

**Polyolefin plastics**

USE POLYETHYLENE PLASTICS



**Polystyrene plastics**  
USE STYRENE PLASTICS

**Pontons**  
USE FLOATS

**Pontyagin product**  
USE ALGEBRAIC TOPOLOGY

**POPULATION**  
BT SOCIOLOGY  
RT SOCIAL SCIENCES  
SOCIOMETRICS  
URBAN AREAS

**POROSITY**

**Porous filters**  
USE FILTERS (FLUID)

**Porous materials**

**PORTABLE**

**Position descriptions**  
USE JOB ANALYSIS

**POSITION FINDING**

UF Position finding instruments  
Target position finding  
NT COMPASSES  
GROUND-POSITION INDICATORS  
PLAN POSITION INDICATORS  
SEXTANTS  
TARGET POSITION INDICATORS  
RT ACOUSTIC DETECTORS  
ALTIMETERS  
AUTOMATIC NAVIGATORS  
BEACONS  
DEAD RECKONING  
DETECTION  
DETECTORS  
DIRECTION FINDING  
DIRECTION FINDING SIGNALS  
DIRECTION FINDING STATIONS  
FLIGHT INSTRUMENTS  
HYPERBOLIC NAVIGATION  
MARKER LIGHTS  
RADAR TRACKING  
RANGE FINDING  
RANGES (DISTANCE)  
SHORAN  
SOUND RANGING  
TARGET RECOGNITION  
TRACKING

**Position finding instruments**

USE POSITION FINDING  
RT DIRECTION FINDING

**Position lights**  
USE NAVIGATIONAL LIGHTS

**POSITIONING DEVICES**  
(MACHINERY)

UF Turnbuckles  
NT HOISTS  
RT MACHINE TOOLS  
MACHINES

**POSITIONING REACTIONS**

(Human operator reactions to  
positioning of equipment.)  
RT HUMAN ENGINEERING

**POSITIVE CONTROL**

(Air traffic control which provides for  
the separation of all aircraft within a  
given airspace regardless of weather  
conditions.)

BT AIR TRAFFIC CONTROL SYSTEMS  
RT ALL-WEATHER AVIATION  
ATC ENROUTE  
ATC TERMINAL AREA  
AVIATION SAFETY

**POSTURE**

UF Body attitude

**POTASSIUM ALLOYS**

BT ALLOYS

**POTASSIUM COMPOUNDS**

**Potassium tolerance**

USE TOXIC TOLERANCES

**Potential (Electric)**

USE ELECTRIC POTENTIAL

**POTENTIAL THEORY**

UF Capacities  
Capacities of sets  
Harmonic forms

**POTENTIOMETERS**

RT VOLT METERS

**POWDERS**

BT PARTICLES

**POWER**

RT ENERGY

**POWER AMPLIFIERS**

BT AMPLIFIERS

**Power distribution cables**

USE ELECTRIC CABLES

**POWER EQUIPMENT**

NT ELECTRIC POWER PRODUCTION  
POWER SUPPLIES  
POWER TRANSFORMERS  
THERMIONIC CONVERTERS

RT COILS  
ELECTROMAGNETS  
GENERATORS  
MOTOR GENERATORS  
PERMANENT MAGNET  
GENERATORS  
POWER PLANTS (AIRCRAFT)

**POWER EQUIPMENT PARTS**

RT ELECTRIC MOTORS  
ELECTROMAGNETS  
MOTOR GENERATORS  
PERMANENT MAGNET  
GENERATORS  
POWER SUPPLIES  
POWER TRANSFORMERS

**POWER METERS**

NT WATTMETERS

**POWER PLANTS (AIRCRAFT)**

(An engine installation regarded as a  
source of power for cooling systems,  
ignition systems, induction systems,  
accessories, etc.)

BT AIRCRAFT SYSTEMS

NT AIRPLANE ENGINES

RT AUXILIARY POWER PLANTS  
IGNITION SYSTEMS  
INDUCTION SYSTEMS  
POWER EQUIPMENT

**Power plants (Auxiliary)**

USE AUXILIARY POWER PLANTS

**Power series**

USE TAYLORS SERIES

**POWER SUPPLIES**

BT POWER EQUIPMENT  
RT ARMED FORCES SUPPLIES  
COILS  
ELECTRIC POWER PRODUCTION  
ELECTROMAGNETS  
POWER EQUIPMENT PARTS  
SOLAR PANELS

**POWER TRANSFORMERS**

BT POWER EQUIPMENT  
TRANSFORMERS  
RT COILS  
ELECTRIC POWER PRODUCTION  
ELECTROMAGNETS  
POWER EQUIPMENT PARTS  
SATURABLE REACTORS

**PPI**

USE PLAN POSITION INDICATORS

**Praseodymium**

USE RARE EARTH COMPOUNDS

**Praseodymium compounds**

USE RARE EARTH COMPOUNDS

**Pre-launch procedures**

USE CHECKOUT PROCEDURES

**PREAMPLIFIERS**

BT AMPLIFIERS

**Precession instability**

USE FLUTTER

**Precipitation (Atmospheric)**

USE ATMOSPHERIC PRECIPITATION

**Precipitation (Electrostatic)**

USE ELECTROSTATIC PRECIPITATION

**Precipitation hardening**

USE DISPERSION HARDENING

**PRECIPITATION STATIC**

BT METEOROLOGICAL PHENOMENA

RT ATMOSPHERIC ELECTRICITY

ATMOSPHERICS

**Precision dead reckoning**

USE DEAD RECKONING

**Predicates**

USE MATHEMATICAL LOGIC

**Prednisolone**

USE CORTICOSTEROID AGENTS

**PREFABRICATED BUILDINGS**

BT BUILDINGS

**PREGNANCY**

UF Gestation

RT EMBRYOS

**Preignition**

USE AUTOIGNITION

**PREPARATION**

(For preparation of chemical

compounds, see SYNTHESIS

(CHEMISTRY.)

RT MANUFACTURING METHODS

**Preputial glands**

USE GLANDS

**PRESSURE**

NT SURFACE PRESSURES

VAPOR PRESSURE

RT AERODYNAMIC FORCES

DECOMPRESSION

PNEUMATIC SYSTEMS

**PRESSURE BREATHING**

(Breathing in which air enters the  
lungs at a pressure greater or less  
than ambient pressure.)

BT RESPIRATION

RT BREATHING APPARATUS

OXYGEN MASKS

PRESSURE SUITS

**Pressure capsules**

USE PRESSURE VESSELS

**Pressure gage rings**

USE PRESSURE GAGES

**PRESSURE GAGES**

UF Pressure gage rings

Static tubes

BT METERS

NT MANOMETERS

PITOT TUBES

THRUST METERS

RT BAROMETERS

STRAIN GAGES

**PRESSURE PATTERN FLIGHT**

BT FLIGHT

FLIGHT PATHS

**PRESSURE REGULATORS**

UF Manostats

RT PRESSURE SUITS

PRESSURE VESSELS

**PRESSURE SUITS**

UF Altitude suits

Antiacceleration suits

Antiblackout suits

BT CLOTHING

FLIGHT CLOTHING

PROTECTIVE CLOTHING

RT LIFE SUPPORT

PRESSURE BREATHING

PRESSURE REGULATORS

**Pressure transducers**

USE TRANSDUCERS

**PRESSURE VESSELS**

UF Pressure capsules

RT FILAMENT WOUND

CONSTRUCTION

HIGH-PRESSURE RESEARCH

PRESSURE REGULATORS

**PRESSURIZED CABINS**

RT AIRCRAFT CABINS

AIRCRAFT EQUIPMENT

JETTISONABLE COCKPITS

LIFE SUPPORT

**Preventive medicine**

USE MEDICINE

**PRIMATES**

BT ANIMALS

MAMMALS

NT INFANTS

MAN

WOMEN

**Prime rings**

USE ALGEBRA

**Primer-detonators**

USE DETONATORS

**Principal component analysis**

USE FACTOR ANALYSIS

**PRINTED CIRCUITS**

BT CIRCUITS

RT MICROMINIATURIZATION

(ELECTRONICS)

MOLECULAR ELECTRONICS

PACKAGED CIRCUITS

**PRINTED CIRCUITS**

RT MOLECULAR ELECTRONICS

**PRINTING**

RT INK

TYPEWRITERS

**Prismatic floats**

USE SEAPLANE FLOATS

**PROBABILITY**

UF Binomial probability

Circular normal probabilities

Doebelin's theory

Instrumental variables

Kolmogoroff's equation

Markov chains

Menage permutations

Poisson limit

Random permutations

Renewal theorem

Restricted occupancy

Risk theory

Von Mises statistic

NT QUEUEING THEORY

RT STOCHASTIC PROCESSES

**PROBES (ELECTROMAGNETIC)**

(Excludes beamed radiation.)

UF Broadband probes

Microwave probes

Oscilloscope probes

**Probit analysis**

USE FACTOR ANALYSIS

**PROCESSING**

RT MANUFACTURING METHODS

**PROCUREMENT**

NT AIR FORCE PROCUREMENT

ARMED FORCES PROCUREMENT

ARMY PROCUREMENT

GOVERNMENT PROCUREMENT

NAVAL PROCUREMENT

RT LOGISTICS

**Prodigiosa**

USE ANTIBIOTICS

**PRODUCTION**

RT MANUFACTURING METHODS

**PROFESSIONAL PERSONNEL**

BT PERSONNEL

NT ENGINEERING PERSONNEL

MEDICAL PERSONNEL

SCIENTIFIC PERSONNEL

RT AVIATION PERSONNEL

GOVERNMENT EMPLOYEES

INSTRUCTORS

MILITARY PERSONNEL

**PROGRAMMING (COMPUTERS)**

UF Coding (Computers)

Flow diagramming (Computers)

RT COMPUTERS

DIGITAL COMPUTERS

UPDATING (COMPUTERS)

**PROGRAMMING LANGUAGES**

UF Algol

Cobol

Fortran

**PROJECTILES**

UF Artillery shells

Bullets

NT INCENDIARY PROJECTILES

RT OGIVES

ROCKETS

**PROJECTIVE GEOMETRY**

UF Desargues, theorem

BT GEOMETRY

**PROJECTIVE TECHNIQUES**

UF Picture frustration study

Rorschach test

Szondi test

BT PSYCHOMETRICS

**Projectors (Film)**

USE FILM PROJECTORS

**Prolongations**

USE ALGEBRAIC TOPOLOGY

**Promethium**

USE RARE EARTH COMPOUNDS

**Promethium compounds**

USE RARE EARTH COMPOUNDS

**PROPAGATION**

(Expansion of the activity, intensity, or

transmission of MECHANICAL waves

or ELECTROMAGNETIC waves.)

NT IONOSPHERIC PROPAGATION

RT ATTENUATION

FLAME PROPAGATION

FREQUENCY

WAVE TRANSMISSION

**Propellant actuated devices**

**Propeller shrouds**  
USE SHROUD RINGS  
**PROPELLERS (AERIAL)**  
UF Aerial propellers  
Pusher propellers  
BT AERODYNAMIC CONFIGURATIONS  
RT AIRCRAFT EQUIPMENT  
DUAL-ROTATION PROPELLERS  
ROTOR BLADES (ROTARY WINGS)  
ROTORCHUTES  
SHROUDED PROPELLERS  
TAIL HELICOPTER ROTORS  
VARIABLE-PITCH PROPELLERS

**Propositional calculus**  
USE MATHEMATICAL LOGIC

**PROPRIOCEPTION**  
UF Vertical perception  
BT PERCEPTION  
SENSORY MECHANISMS  
RT SPACE PERCEPTION  
VERTIGO

**PROPULSION**  
NT AIRCRAFT NUCLEAR  
PROPULSION  
ELECTRIC PROPULSION  
JET PROPULSION  
ROCKET PROPULSION  
RT AIRCRAFT  
ROCKET MOTORS

**PROSTHETICS**  
RT EYEGLASSES

**PROTECTIVE CLOTHING**  
UF Suits  
BT CLOTHING  
NT EXPOSURE SUITS  
FLIGHT CLOTHING  
PRESSURE SUITS  
RT BREATHING MASKS  
EYEGLASSES  
GLOVES  
HELMETS  
SOCKS

**PROTECTIVE COVERINGS**  
UF Filings (Coverings)

**PROTECTIVE SCREENS**  
(Partition or curtain which cuts off inconvenience, injury or danger.)  
UF Wire screens

**Protective spectacles**  
USE EYEGLASSES

**PROTECTIVE TREATMENTS**  
BT FINISHES & FINISHING  
NT ANTIFOULING COATINGS  
FIRE-RESISTANT COATINGS  
MOISTUREPROOFING  
PHOSPHATE COATINGS  
WEATHERPROOFING  
RT AIRCRAFT FINISHES  
ANTIFOGGING AGENTS  
ANTIRAIN AGENTS  
COATINGS  
CORROSION INHIBITION

**Protein substitutes**  
USE PROTEINS

**PROTEINS**  
UF Protein substitutes  
NT BLOOD PROTEINS  
HEMOGLOBIN  
LIPOPROTEINS  
PROTEINS (CONJUGATED)  
RT AMINO ACIDS  
ENZYMES

**PROTEINS (CONJUGATED)**  
(Substances that consist of protein combined with some other substance (the prosthetic molecule))  
UF Conjugated proteins  
Lecithoproteins  
Metalloproteins

BT PROTEINS  
NT HEMOGLOBIN  
LIPOPROTEINS  
RT AMINO ACIDS  
BLOOD PROTEINS

**PROTON BEAMS**

**PROTONS**  
BT CHARGED PARTICLES  
ELEMENTARY PARTICLES  
NUCLEONS  
RT COSMIC RAYS

**Protoplasm**  
USE CELLS (BIOLOGY)

**PROXIMITY DEVICES**  
(Devices operated by a change sensed in the immediate environment)

**Pseudoanalytic functions**  
USE FUNCTIONS  
**Psychiatrists**  
USE MEDICAL PERSONNEL  
**PSYCHIATRY**  
(Prevention, diagnosis and therapy of emotional illness.)

UF Psychoanalysis  
Psychotherapy  
BT ABNORMAL PSYCHOLOGY  
MEDICINE  
PSYCHOLOGY  
RT ANXIETY  
EMOTIONS  
FEAR

**PSYCHOACOUSTICS**  
RT ACOUSTICS  
HEARING  
REACTION (PSYCHOLOGY)  
SOUND

**Psychoanalysis**  
USE PSYCHIATRY  
**Psycholeptic agents**  
USE TRANQUILIZERS

**Psychological measurement**  
USE PSYCHOMETRICS  
**Psychological scaling**  
USE PSYCHOMETRICS

**Psychological tests**  
USE PSYCHOMETRICS  
**PSYCHOLOGY**  
UF Aviation psychology  
NT ABNORMAL PSYCHOLOGY  
APPLIED PSYCHOLOGY  
APTITUDE TESTS  
INDUSTRIAL PSYCHOLOGY  
MILITARY PSYCHOLOGY  
PSYCHIATRY  
RT ADJUSTMENT (PSYCHOLOGY)  
ANXIETY  
ATTENTION  
ATTITUDES  
BEHAVIOR  
CONDITIONED REFLEX  
EMOTIONS  
FEAR  
GROUP DYNAMICS  
LEADERSHIP  
LEARNING  
MEMORY  
MOTIVATION  
PERCEPTION  
PERSONALITY  
PSYCHOMETRICS  
REACTION (PSYCHOLOGY)  
REASONING  
SENSORY DEPRIVATION  
STRESS (PSYCHOLOGY)  
VERBAL BEHAVIOR

**PSYCHOMETRICS**  
UF Measurement (Mental)  
Psychological measurement  
Psychological scaling  
Psychological tests  
Scaling (Psychology)  
NT ACHIEVEMENT TESTS  
APTITUDE TESTS  
INTELLIGENCE TESTS  
PROJECTIVE TECHNIQUES  
RT APPLIED PSYCHOLOGY  
INDUSTRIAL PSYCHOLOGY  
MILITARY PSYCHOLOGY  
PERSONALITY TESTS  
PSYCHOLOGY  
PSYCHOMOTOR TESTS

**PSYCHOMOTOR TESTS**  
(Tests of motor skill to determine the coordination of a sensory or ideational process and a motor activity.)  
RT ACHIEVEMENT TESTS  
APPLIED PSYCHOLOGY  
APTITUDE TESTS  
MOTOR REACTIONS  
PSYCHOMETRICS

**Psychopathology**  
USE ABNORMAL PSYCHOLOGY  
**Psychotechnology**  
USE APPLIED PSYCHOLOGY

**Psychotherapy**  
USE PSYCHIATRY  
**PSYCHOTROPIC AGENTS**  
RT DRUGS

**Psychrometers**  
USE HYGROMETERS

**PUBLIC ADDRESS SYSTEMS**  
BT COMMUNICATION SYSTEMS  
RT INTERCOMMUNICATION SYSTEMS  
LOUDSPEAKERS  
MEGAPHONES

**PUBLIC OPINION**  
UF Public opinion polls  
BT SOCIOLOGY  
SOCIOMETRICS

**Public opinion polls**  
USE PUBLIC OPINION  
**PUBLIC RELATIONS**  
BT SOCIOLOGY

**Pulleys**  
USE HOISTS  
**PULSE COMMUNICATION SYSTEMS**  
BT COMMUNICATION SYSTEMS  
RT MICROWAVE COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS

**PULSE COUNTERS**  
**PULSE DISCRIMINATORS**  
**PULSE GENERATORS**  
UF Keyers (Pulse generators)

**PULSE HEIGHT ANALYZERS**  
UF Differential discriminators  
RT DISCRIMINATORS

**PULSE MODULATION**  
BT MODULATION  
RT AMPLITUDE MODULATION  
FREQUENCY MODULATION  
PHASE MODULATION

**PULSE TRANSMITTERS**  
BT COMMUNICATION EQUIPMENT  
NT INTERROGATORS

**PULSEJET ENGINES**  
BT JET ENGINES  
RT RAMJET ENGINES  
TURBOJET ENGINES

**Pulsar (Electromagnetic)**  
USE ELECTROMAGNETIC PULSES  
**PUMPS**

NT AIR EJECTORS  
CENTRIFUGAL PUMPS  
ELECTROMAGNETIC PUMPS  
FUEL INJECTORS  
FUEL PUMPS  
HYDRAULIC PRESSURE PUMPS  
INJECTORS  
JET PUMPS  
LIQUID METAL PUMPS  
VACUUM PUMPS

**PUNCHED CARDS**  
UF Punched-card methods  
BT COMPUTER STORAGE DEVICES  
INPUT-OUTPUT DEVICES  
RT ELECTRONIC ACCOUNTING MACHINES

**PUNCHED TAPE**  
BT COMPUTER STORAGE DEVICES  
INPUT-OUTPUT DEVICES  
RT DATA STORAGE SYSTEMS  
MAGNETIC TAPE

**Punched-card methods**  
USE PUNCHED CARDS

**Pupil**  
USE EYE

**PURIFICATION**  
NT DISTILLATION  
RT FILTERS (FLUID)

**PURINES**  
UF Adenine  
Adenine derivatives  
Adenosine  
Aminopurines  
Guanine  
Imidoxanthine

**PUSH-PULL AMPLIFIERS**  
BT AMPLIFIERS

**Pusher propellers**  
USE PROPELLERS (AERIAL)

**Psychometers**  
USE DENSIMETERS

**Pylons (Markers)**  
USE TOWERS

**Pyrex**  
USE HEAT-RESISTANT GLASS

**Pyridoxine**  
USE VITAMIN B COMPLEX

**PYROTECHNICS**  
NT FLARES  
RT SIGNALS

**SMOKES**  
**Pyrophylla**  
USE ALGAE

## Q

### Q METERS

**Q-functions**  
USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

**QUALITY CONTROL**  
UF Sampling (Industrial)  
NT NON-DESTRUCTIVE TESTING  
RT ACCEPTABILITY  
RELIABILITY  
STANDARDS  
TOLERANCES (MECHANICS)

**QUANTITATIVE ANALYSIS**  
BT CHEMICAL ANALYSIS  
NT POLAROGRAPHIC ANALYSIS  
VOLUMETRIC ANALYSIS  
RT CHROMATOGRAPHIC ANALYSIS  
MICROANALYSIS

**Quantum electrodynamics**  
USE FIELD THEORY

**QUANTUM MECHANICS**  
RT DYNAMICS  
FLUID MECHANICS  
PHYSICS

**Quartimax method**  
USE STATISTICAL ANALYSIS

**QUARTZ**  
UF Quartz crystals  
BT MINERAL PRODUCTS  
RT ROCK (GEOLOGY)

**Quartz crystals**  
USE QUARTZ

**QUARTZ RESONATORS**  
BT RESONATORS

**Quartz spring balances**  
USE BALANCES

**Quasi-idempotent matrices**  
USE MATRIX ALGEBRA

**QUEUEING THEORY**  
UF Waiting line theory  
BT OPERATIONS RESEARCH  
PROBABILITY

## R

### RADAR

UF Radar mapping  
NT AIRPORT RADAR SYSTEMS  
CARRIER-CONTROLLED  
APPROACH RADAR  
COHERENT RADAR  
CONTINUOUS WAVE RADAR  
DIVERSITY RADAR  
DOPPLER RADAR  
GROUND-CONTROLLED  
APPROACH RADAR  
METEOROLOGICAL RADAR  
MONOPULSE RADAR  
RADAR LANDING CONTROL  
RANGE GATING  
SEARCH RADAR  
SIDE-LOOKING RADAR  
TRACK-WHILE-SCAN RADAR  
RT RADAR DECEPTION  
RADAR EQUIPMENT  
RADIO EQUIPMENT  
RADOMES

**RADAR ANTENNAS**  
UF Search radar antennas  
Search radar pulses  
BT ANTENNAS  
RADAR EQUIPMENT  
RT RADAR RECEIVERS  
RADAR REFLECTORS  
RADAR SCANNING  
RADOMES  
SATELLITE ANTENNAS

# RADAR ANTIJAMMING

**RADAR ANTIJAMMING**  
BT ELECTROMAGNETIC WARFARE  
RT RADAR JAMMING

**Radar astronomy**  
USE RADIO ASTRONOMY

**RADAR BEACONS**  
BT BEACONS  
RADAR EQUIPMENT  
RT DEFRUITING  
RADAR NAVIGATION  
RADAR RECEIVERS  
RADAR SIGNALS  
RADAR TRANSMITTERS

**RADAR CLUTTER**  
*(Unwanted echoes on a radar screen. For undesired energy that interferes with signal reception, see RADAR INTERFERENCE, and NOISE (RADIO).)*  
UF Background return  
Clutter  
RT NOISE (RADAR)  
RADAR INTERFERENCE

**RADAR CONFUSION REFLECTORS**  
UF Chaff  
BT RADAR DECEPTION  
RADAR REFLECTORS  
REFLECTORS  
RT RADAR JAMMING

**RADAR CORNER REFLECTORS**  
BT RADAR EQUIPMENT  
RADAR REFLECTORS  
REFLECTORS

**RADAR DECEPTION**  
*(Devices or tactics that render an enemy, radar data unreliable through radiation reradiation, alteration, absorption, or reflection of signals. For the impairment of enemy signals by deliberate transmission of conflicting signals, see RADAR JAMMING.)*  
BT ELECTROMAGNETIC WARFARE  
NT RADAR CONFUSION REFLECTORS  
RT RADAR  
RADAR JAMMING

**Radar display systems**  
USE DISPLAY SYSTEMS  
and RADAR EQUIPMENT

**Radar domes**  
USE RADOMES

**RADAR DUPLEXERS**  
BT RADAR EQUIPMENT

**RADAR ECHO AREAS**  
BT IMAGES  
RADAR REFLECTIONS  
RADAR SIGNALS  
RT RADAR TARGETS

**RADAR EQUIPMENT**  
UF Radar display systems  
Radar height finders  
Radar identification systems  
Radar navigation systems  
Radar remoting  
Radar scanners  
Radar tracking systems  
Search radar scanners  
NT RADAR ANTENNAS  
RADAR BEACONS  
RADAR CORNER REFLECTORS  
RADAR DUPLEXERS  
RADAR RANGE CALIBRATORS  
RADAR RECEIVERS  
RADAR REFLECTORS  
RADAR TRANSMITTERS  
RADOMES  
RT COMMUNICATION EQUIPMENT  
DEFRUITING  
DETECTORS  
DISPLAY SYSTEMS  
RADAR  
RADAR STATIONS

**RADAR HANDOFF**  
*(Transfer of radar identification and control or advisory jurisdiction over an aircraft from one controller to another without interruption of radar surveillance.)*  
UF Handoffs  
RT AIR TRAFFIC CONTROL SYSTEMS  
ATC TERMINAL AREA  
HOLDING PATTERNS  
RADAR TARGETS  
RADAR TRACKING

**Radar height finders**  
USE HEIGHT FINDING  
and RADAR EQUIPMENT

**Radar identification systems**  
USE IDENTIFICATION SYSTEMS  
and RADAR EQUIPMENT

**RADAR IMAGES**  
*(Visual presentations on a radar screen.)*  
BT IMAGES  
RT CATHODE RAY TUBE SCREENS  
DISPLAY SYSTEMS  
PLAN POSITION INDICATORS

**RADAR INTERCEPTION**  
UF Electronic intelligence  
BT ELECTROMAGNETIC WARFARE  
RT RADAR SIGNALS

**RADAR INTERFERENCE**  
*(Distortion of radar signals from natural causes outside the equipment. For distortion deliberately caused by transmission of conflicting signals, see RADAR JAMMING.)*  
BT RADIOFREQUENCY  
INTERFERENCE  
RT ATMOSPHERICS  
INTERFERENCE ANALYZERS  
NOISE (RADAR)  
RADAR CLUTTER  
RADAR SIGNALS

**RADAR JAMMING**  
BT ELECTROMAGNETIC WARFARE  
RT RADAR ANTIJAMMING  
RADAR CONFUSION REFLECTORS  
RADAR DECEPTION  
RADAR SIGNALS

**RADAR LANDING CONTROL**  
BT LANDING AIDS  
RADAR  
NT CARRIER-CONTROLLED  
APPROACH RADAR  
GROUND-CONTROLLED  
APPROACH RADAR  
RT AIR TRAFFIC CONTROL SYSTEMS  
AIRPORT CONTROL TOWERS  
CARRIER LANDINGS  
GLIDE-PATH SYSTEMS  
INSTRUMENT LANDINGS  
LANDING  
NIGHT LANDINGS  
RADAR NAVIGATION  
TERMINAL FLIGHT FACILITIES

**Radar mapping**  
USE MAPPING  
and RADAR

**RADAR NAVIGATION**  
UF Radar navigation systems  
BT NAVIGATION  
RT AIRPORT RADAR SYSTEMS  
CARRIER-CONTROLLED  
APPROACH RADAR  
DOPPLER NAVIGATION  
GROUND-CONTROLLED  
APPROACH RADAR  
RADAR BEACONS  
RADAR LANDING CONTROL  
RADIO NAVIGATION

**Radar navigation systems**  
USE RADAR EQUIPMENT  
and RADAR NAVIGATION

**Radar noise**  
USE NOISE (RADAR)

**RADAR OPERATORS**  
BT OPERATORS (PERSONNEL)  
RT AIR TRAFFIC CONTROLLERS  
AVIATION PERSONNEL  
FLIGHT SERVICE SPECIALISTS  
MILITARY PERSONNEL  
RADAR TRAINERS  
RADIO OPERATORS

**RADAR PULSES**  
BT ELECTROMAGNETIC PULSES  
ELECTROMAGNETIC WAVES  
RADAR SIGNALS  
RADIOFREQUENCY PULSES

**Radar range calculators**  
USE RADAR RANGE COMPUTERS

**RADAR RANGE CALIBRATORS**  
BT RADAR EQUIPMENT

**RADAR RANGE COMPUTERS**  
UF Radar range calculators  
BT COMPUTERS  
SPECIAL PURPOSE COMPUTERS

**RADAR RECEIVERS**  
UF Search radar receivers

BT RADAR EQUIPMENT  
RT CRYSTAL VIDEO RECEIVERS  
RADAR ANTENNAS  
RADAR BEACONS  
RADAR TRANSMITTERS

**RADAR RECORDING CAMERAS**  
BT CAMERAS  
RT AERIAL CAMERAS

**RADAR REFLECTIONS**  
BT ELECTROMAGNETIC WAVE  
REFLECTIONS  
RADAR SIGNALS  
NT RADAR ECHO AREAS  
RT RADAR TARGETS

**RADAR REFLECTORS**  
BT RADAR EQUIPMENT  
REFLECTORS  
NT RADAR CONFUSION REFLECTORS  
RADAR CORNER REFLECTORS  
RADAR ANTENNAS

**Radar remoting**  
USE RADAR EQUIPMENT  
and REMOTE CONTROL SYSTEMS

**Radar scanners**  
USE RADAR EQUIPMENT  
and RADAR SCANNING

**RADAR SCANNING**  
UF Airport radar scanners  
Radar scanners  
Search radar scanners  
BT SCANNING  
RT ELECTRONIC SCANNERS  
RADAR ANTENNAS

**RADAR SIGNALS**  
BT ELECTROMAGNETIC WAVES  
SIGNALS  
NT RADAR ECHO AREAS  
RADAR PULSES  
RADAR REFLECTIONS  
RT RADAR BEACONS  
RADAR INTERCEPTION  
RADAR INTERFERENCE  
RADAR JAMMING  
VIDEO SIGNALS

**RADAR STATIONS**  
RT GROUND-CONTROLLED  
APPROACH RADAR  
RADAR EQUIPMENT  
SEARCH RADAR

**RADAR TARGET POSITION SIMULATORS**  
BT SIMULATION  
RT RADAR TRAINERS  
TRAINING DEVICES

**RADAR TARGETS**  
*(Objects detected, watched, or tracked by radar.)*  
UF Markers (Electronic)  
BT TARGETS  
RT RADAR ECHO AREAS  
RADAR HANDOFF  
RADAR REFLECTIONS

**RADAR TRACKING**  
UF Radar tracking systems  
BT TRACKING  
RT CARRIER-CONTROLLED  
DETECTION  
GROUND-CONTROLLED  
APPROACH RADAR  
MOVING-TARGET INDICATORS  
POSITION FINDING  
RADAR HANDOFF  
RANGES (DISTANCE)  
TARGET DESIGNATORS

**Radar tracking systems**  
USE RADAR EQUIPMENT  
and RADAR TRACKING

**RADAR TRAINERS**  
BT TRAINING DEVICES  
RT RADAR OPERATORS  
RADAR TARGET POSITION  
SIMULATORS

**RADAR TRANSMITTERS**  
BT RADAR EQUIPMENT  
RT RADAR BEACONS  
RADAR RECEIVERS

**Radar waves**  
USE MICROWAVES

**RADIANT HEATING PANELS**  
UF Panels (Heating)  
BT HEATERS  
RT PANELS (STRUCTURAL)

**Radiation (Electromagnetic)**  
USE ELECTROMAGNETIC WAVES

# THESAURUS OF FAA DESCRIPTORS

**Radiation (Ultrasonic)**  
USE ULTRASONIC RADIATION

**Radiation counters**  
USE RADIATION MEASUREMENT  
SYSTEMS

**RADIATION DAMAGE**  
*(Changes in materials exposed to gamma rays, fission fragments, or neutrons. For studies of the effects of such radiation on organisms, food, etc., see RADIATION EFFECTS.)*  
BT DAMAGE

**RADIATION EFFECTS**  
RT DOSIMETERS  
RADIATION HAZARDS  
RADIATION INJURIES  
RADIOACTIVE FALLOUT  
RADIOBIOLOGY  
RADIOPROTECTIVE AGENTS  
SPACE ENVIRONMENTAL  
CONDITIONS

**RADIATION HAZARDS**  
NT DOSE RATE  
RADIOACTIVE FALLOUT  
RADIOACTIVE WASTE  
RADIOLOGICAL CONTAMINATION  
RADIOLOGICAL DOSAGE  
RT CONTAMINATION  
DECONTAMINATION  
DOSIMETERS  
RADIATION EFFECTS

**RADIATION INJURIES**  
*(Injuries resulting from exposure to gamma rays, neutrons, fission products, etc. For thermal injuries, see BURNS.)*  
BT WOUNDS & INJURIES  
RT RADIATION EFFECTS

**RADIATION MEASUREMENT SYSTEMS**  
*(Devices that measure ionizing radiation.)*  
UF Radiation counters  
NT GAMMA COUNTERS  
GEIGER COUNTERS  
NEUTRON COUNTERS  
PULSE HEIGHT ANALYZERS  
RT COUNTING METHODS  
DETECTION  
DETECTORS  
SCALERS

**RADIATION MEASUREMENT SYSTEMS COMPO**  
RT DETECTORS

**RADIATION MONITORS**  
*(Devices that periodically or continuously determine the amount of radioactivity or ionizing radiation in a given area.)*  
RT DOSIMETERS  
RADIOACTIVE FALLOUT  
WARNING SYSTEMS

**RADIATION TOLERANCE**  
*(The ability of organisms to withstand ionizing radiation.)*  
BT TOLERANCES (PHYSIOLOGY)

**Radiation-Tricom-German (rtg)**  
USE PARTIAL DIFFERENTIAL  
EQUATIONS

**Radiation-tricom-German problem**  
USE PARTIAL DIFFERENTIAL  
EQUATIONS

**RADIO ALTIMETERS**  
BT ALTIMETERS  
FLIGHT INSTRUMENTS  
RT HEIGHT FINDING

**RADIO ASTRONOMY**  
UF Radar astronomy  
BT ASTRONOMY

**RADIO BEACONS**  
UF Markers (Radio)  
Radio markers  
BT BEACONS  
COMMUNICATION EQUIPMENT  
RADIO EQUIPMENT  
RT RADIO TRANSMITTERS

**RADIO BEAMS**  
BT BEAMS (ELECTROMAGNETIC)  
ELECTROMAGNETIC WAVES  
RADIO WAVES  
RT RADIO FIELD  
RADIO RELAY SYSTEMS  
RADIO SIGNALS

**Radio channel selectors**  
USE CHANNEL SELECTORS

**RADIO COMMUNICATION SYSTEMS**

BT COMMUNICATION SYSTEMS  
NT MICROWAVE COMMUNICATION SYSTEMS  
MICROWAVE RELAY SYSTEMS  
RADIO RELAY STATIONS  
RADIO RELAY SYSTEMS  
RADIO SCANNING  
RADIO STATIONS  
RADIO TELETYPE SYSTEMS  
SINGLE SIDEBAND COMMUNICATION SYSTEM  
RT PULSE COMMUNICATION SYSTEMS  
RADIO EQUIPMENT  
RADIO TOWERS  
TRANSMITTER-RECEIVERS

**RADIO COMMUNICATIONS SYSTEMS**

UF Frequency modulation communication

**RADIO COMPASSES**

BT COMPASSES  
RT DIRECTION FINDING

**Radio direction finding**

USE DIRECTION FINDING and RADIO EQUIPMENT

**RADIO EQUIPMENT**

UF Radio direction finding  
Radio navigation systems  
Radio ranging systems  
Radio repeaters  
Radio scanners  
BT COMMUNICATION EQUIPMENT  
NT CRYSTAL DETECTORS  
RADIO BEACONS  
RADIO RECEIVERS  
RADIO TRANSMITTERS  
RADIOTELEPHONES  
TRANSMITTER-RECEIVERS  
WALKIE-TALKIES  
RT RADAR  
RADIO COMMUNICATION SYSTEMS  
RADIO STATIONS  
RADIO TOWERS

**RADIO FIELDS**

BT ELECTROMAGNETIC FIELDS  
ELECTROMAGNETIC WAVES  
RT RADIO BEAMS  
RADIO RECEPTION  
RADIO WAVES

**RADIO HOMING**

BT GUIDANCE  
HOMING DEVICES  
TERMINAL GUIDANCE

**RADIO INTERFERENCE**

(Distortion of radio signals from natural causes outside the equipment. For distortion deliberately caused by transmission of conflicting signals, see RADIO JAMMING.)

BT RADIOFREQUENCY INTERFERENCE  
RT ATMOSPHERICS  
INTERFERENCE ANALYZERS  
NOISE (RADIO)  
RADIO JAMMING

**Radio interference analyzers**  
USE INTERFERENCE ANALYZERS

**RADIO INTERFEROMETERS**

**RADIO JAMMING**  
BT ELECTROMAGNETIC WARFARE  
RT RADIO INTERFERENCE

**Radio markers**

USE RADIO BEACONS

**RADIO NAVIGATION**

UF Radio navigation systems  
BT NAVIGATION  
RT DOPPLER NAVIGATION  
HYPERBOLIC NAVIGATION  
RADAR NAVIGATION  
SHORAN

**Radio navigation systems**

USE RADIO EQUIPMENT and RADIO NAVIGATION

**Radio noise**

USE NOISE (RADIO)

**RADIO OPERATORS**

BT OPERATORS (PERSONNEL)  
RT AIR TRAFFIC CONTROLLERS  
AVIATION PERSONNEL  
FLIGHT SERVICE SPECIALISTS  
MILITARY PERSONNEL

**RADAR OPERATORS**

**RADIO PROTECTIVE AGENTS**

UF Antiradiation agents

**RADIO RANGES**

BT RANGES (ESTABLISHMENTS)

**Radio ranging systems**

USE RADIO EQUIPMENT

and RANGE FINDING

**RADIO RECEIVERS**

UF Loran receivers  
BT COMMUNICATION EQUIPMENT  
RADIO EQUIPMENT  
RT RADIO TRANSMITTERS  
TRANSMITTER-RECEIVERS  
WALKIE-TALKIES

**RADIO RECEPTION**

NT DIVERSITY RECEPTION  
RT ANGLE OF ARRIVAL  
RADIO FIELDS

**RADIO RELAY STATIONS**

BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS  
RADIO STATIONS

RT RADIO TRANSMITTERS

**RADIO RELAY SYSTEMS**

UF Relay systems  
BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS  
NT MICROWAVE RELAY SYSTEMS  
RT RADIO BEAMS  
RELAYS

**Radio repeaters**

USE RADIO EQUIPMENT

**Radio rescue buoys**

USE BUOYS and SEA RESCUE EQUIPMENT

**Radio scanners**

USE RADIO EQUIPMENT

and RADIO SCANNING

**RADIO SCANNING**

UF Radio scanners  
BT RADIO COMMUNICATION SYSTEMS  
SCANNING  
RT ELECTRONIC SCANNERS

**RADIO SIGNALS**

BT ELECTROMAGNETIC WAVES  
RADIO WAVES  
SIGNALS  
RT RADIO BEAMS

**RADIO STATIONS**

BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS  
NT RADIO RELAY STATIONS  
RT RADIO EQUIPMENT  
RADIO TOWERS  
RADIO TRANSMITTERS

**Radio telephones**

USE RADIOTELEPHONES

**RADIO TELETYPE SYSTEMS**

BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS  
TELETYPE SYSTEMS  
RT FREQUENCY-SHIFT KEYS

**RADIO TOWERS**

BT COMMUNICATION EQUIPMENT  
TOWERS  
RT RADIO COMMUNICATION SYSTEMS  
RADIO EQUIPMENT  
RADIO STATIONS

**RADIO TRANSMISSION**

UF Glide path transmission  
BT WAVE TRANSMISSION  
NT MULTIPATH TRANSMISSION  
RT ELECTROMAGNETIC WAVES  
IONOSPHERIC PROPAGATION  
MULTIPLEX

**RADIO TRANSMITTERS**

BT COMMUNICATION EQUIPMENT  
RADIO EQUIPMENT  
RT RADIO BEACONS  
RADIO RECEIVERS  
RADIO RELAY STATIONS  
RADIO STATIONS  
RADIOSONDES  
RADIOTELEPHONES  
TRANSMITTER-RECEIVERS  
WALKIE-TALKIES

**RADIO WAVES**

UF Ground waves  
Radiofrequency waves

BT ELECTROMAGNETIC WAVES  
NT CARRIERS (RADIO WAVES)  
MICROWAVES  
RADIO BEAMS  
RADIO SIGNALS

RT RADIO FIELDS

**RADIOACTIVE FALLOUT**

UF Fallout

Rainout

BT CONTAMINATION  
RADIATION HAZARDS  
RADIOLOGICAL CONTAMINATION  
RT ATMOSPHERIC POLLUTION  
NUCLEAR EXPLOSION DAMAGE  
RADIATION EFFECTS  
RADIATION MONITORS  
RADIOBIOLOGY

**RADIOACTIVE ISOTOPES**

DRUGS  
Labeled substances  
TRACER STUDIES

**RADIOACTIVE WASTE**

BT RADIATION HAZARDS  
WASTES (INDUSTRIAL)  
RT DECONTAMINATION  
DOSE RATE  
RADIOLOGICAL CONTAMINATION

**RADIOACTIVITY**

UF Units of radioactivity  
NT CARRIERS (RADIO WAVES)

**RADIOBIOLOGY**

BT BIOLOGY  
BIOPHYSICS  
RT RADIATION EFFECTS  
RADIOACTIVE FALLOUT

**RADIOFREQUENCY**

BT FREQUENCY  
NT C BAND  
EXTREMELY HIGH FREQUENCY  
HIGH FREQUENCY  
K BAND  
L BAND  
LOW FREQUENCY  
MEDIUM FREQUENCY  
MICROWAVE FREQUENCY  
S BAND  
SUPERHIGH FREQUENCY  
X BAND

**RADIOFREQUENCY AMPLIFIERS**

BT AMPLIFIERS

**RADIOFREQUENCY CABLES**

RT COAXIAL CABLES

**RADIOFREQUENCY FILTERS**

BT FILTERS (ELECTROMAGNETIC WAVE)  
RT BAND-PASS FILTERS  
CRYSTAL FILTERS  
INFRARED FILTERS  
LOW-PASS FILTERS  
WAVEGUIDE FILTERS

**RADIOFREQUENCY GENERATORS**

RT SWEEP GENERATORS

**RADIOFREQUENCY INTERFERENCE**

UF RFI  
NT RADAR INTERFERENCE  
RADIO INTERFERENCE  
RT ATMOSPHERIC ELECTRICITY  
ATMOSPHERICS  
IONOSPHERIC DISTURBANCES  
MAGNETIC STORMS  
REFLECTION  
SUPPRESSORS

**Radiofrequency lenses**

USE ELECTROMAGNETIC LENSES

**Radiofrequency oscillations**

USE RADIOFREQUENCY OSCILLATORS

**RADIOFREQUENCY OSCILLATORS**

UF Radiofrequency oscillations  
BT OSCILLATORS  
NT MICROWAVE OSCILLATORS  
RT CRYSTAL OSCILLATORS

**RADIOFREQUENCY POWER**

UF Microwave power

**RADIOFREQUENCY PULSES**

BT ELECTROMAGNETIC PULSES  
ELECTROMAGNETIC WAVES  
NT RADAR PULSES

**RADIOFREQUENCY SPECTROSCOPY**

BT SPECTROSCOPY  
NT MICROWAVE SPECTROSCOPY  
RT FREQUENCY ANALYZERS

**Radiofrequency waves**

USE RADIO WAVES

**Radiographic analysis**

USE RADIOGRAPHY

**RADIOGRAPHY**

UF Industrial radiography  
Radiographic analysis  
BT PHOTOGRAPHY  
NT X-RAY PHOTOGRAPHY

**RADIOLOGICAL CONTAMINATION**

BT CONTAMINATION  
RADIATION HAZARDS  
NT RADIOACTIVE FALLOUT  
RT DOSE RATE  
HEALTH PHYSICS  
INSTRUMENTATION  
RADIOACTIVE WASTE

**RADIOLOGICAL DOSAGE**

BT RADIATION HAZARDS  
NT DOSE RATE  
RT DOSIMETERS  
HEALTH PHYSICS  
INSTRUMENTATION  
LETHAL DOSAGE

**RADIOLOGICAL WARFARE**

BT WARFARE  
RT NUCLEAR WARFARE

**RADIOMETERS**

BT OPTICAL INSTRUMENTS

**RADIOPROTECTIVE AGENTS**

UF Antiradiation agents  
Radioprotective drugs  
RT DRUGS  
RADIATION EFFECTS

**Radioprotective drugs**

USE RADIOPROTECTIVE AGENTS

**RADIOSONDES**

UF Rawinsondes  
RT ATMOSPHERIC SOUNDING  
METEOROLOGICAL BALLOONS  
METEOROLOGICAL INSTRUMENTS  
RADIO TRANSMITTERS  
TELEMETERING TRANSMITTERS

**RADIOTELEPHONES**

UF Radio telephones  
BT COMMUNICATION EQUIPMENT  
RADIO EQUIPMENT  
NT WALKIE-TALKIES  
RT RADIO TRANSMITTERS

**RADOMES**

UF Radar domes  
BT RADAR EQUIPMENT  
RT RADAR  
RADAR ANTENNAS

**RAILROADS**

BT TRANSPORTATION

**Rainbows**

USE ATMOSPHERIC REFRACTION

**RAINDROPS**

BT ATMOSPHERIC CONDENSATION  
ATMOSPHERIC PRECIPITATION  
METEOROLOGICAL PHENOMENA  
RT RAINFALL  
WATER IMPINGEMENT

**RAINFALL**

BT ATMOSPHERIC PRECIPITATION  
METEOROLOGICAL PARAMETERS  
RT RAINDROPS

**Rainout**

USE RADIOACTIVE FALLOUT

**RAMJET ENGINE NOZZLES**

BT EXHAUST NOZZLES  
NOZZLES

**RAMJET ENGINES**

BT JET ENGINES  
NT TURBO-RAMJETS  
RT PULSEJET ENGINES  
TURBOJET ENGINES

**RAMJET INLETS**

BT JET ENGINE INLETS

**Ramjet propulsion**

USE JET PROPULSION

**RAMJET TEST VEHICLES**

BT TEST VEHICLES

**Random functions**

USE STATISTICAL FUNCTIONS

**Random permutations**

USE PROBABILITY

**Random walk**

USE NUMERICAL METHODS AND PROCEDURES

**Random walk theory**

USE NUMERICAL ANALYSIS

**Range**

USE RANGES (DISTANCE)

# RANGE FINDERS

**Range finders**  
USE RANGE FINDING

**RANGE FINDING**  
UF Light ranging systems  
Radio ranging systems  
Range finders  
Ranging systems

**RT DOPPLER SYSTEMS**  
POSITION FINDING  
SOUND RANGING  
TRANSPONDERS

**RANGE GATING**  
BT RADAR

**Range tubes**  
USE MILSCH TUBES

**RANGES (DISTANCE)**  
(Measurements of the effective operational radius of equipment or of distance from an observer to a target or obstacle.)  
UF Range

**RT DETECTION**  
DETECTORS  
DIRECTION FINDING  
DIRECTION FINDING SIGNALS  
DIRECTION FINDING STATIONS  
DOPPLER SYSTEMS  
HEIGHT FINDING  
MOVING-TARGET INDICATORS  
PHOTOTHEODOLITES  
PLAN POSITION INDICATORS  
POSITION FINDING  
RADAR TRACKING  
TARGET RECOGNITION  
THEODOLITES  
TRACKING

**RANGES (ESTABLISHMENTS)**  
UF Determing stations  
Magnetic proving grounds

**NT RADIO RANGES**  
TRACKS (AERODYNAMICS)

**RT LABORATORIES**  
TEST FACILITIES

**Ranging systems**  
USE RANGE FINDING

**Ranking methods**  
USE STATISTICAL ANALYSIS

**Ranking theory**  
USE GAME THEORY

**RARE EARTH COMPOUNDS**  
UF Cerium compounds  
Dysprosium compounds  
Erbium compounds  
Europium compounds  
Gadolinium  
Gadolinium compounds  
Holmium compounds  
Lanthanum compounds  
Lutecium  
Lutecium compounds  
Neodymium  
Neodymium compounds  
Praseodymium  
Praseodymium compounds  
Promethium  
Promethium compounds  
Samarium compounds  
Terbium compounds  
Thulium compounds  
Ytterbium compounds

**BT CHEMICAL COMPOUNDS**

**NT RARE EARTHS**

**Rare earth oxides**  
USE RARE EARTHS

**RARE EARTHS**  
UF Rare earth oxides

**BT CHEMICAL COMPOUNDS**  
OXIDES  
RARE EARTH COMPOUNDS

**Rare gases**  
USE HELIUM GROUP GASES

**RATE-OF-CLIMB INDICATORS**  
BT FLIGHT INSTRUMENTS

**RT AIRSPEED INDICATORS**  
ALTIMETERS  
ATTITUDE INDICATORS  
FLIGHT SPEED INDICATORS  
HORIZONTAL INDICATORS  
STALL-WARNING INDICATORS

**Rational functions**  
USE FUNCTIONS

**RATS**  
BT ANIMALS  
MAMMALS  
RODENTS

**RT MICE**

**Rawinsondes**  
USE RADIOSONDES

**Re-entry**  
USE ATMOSPHERE ENTRY

**Re-entry aerodynamics**  
USE ATMOSPHERE ENTRY

**RE-ENTRY VEHICLES**  
RT SPACE CAPSULES  
SPACECRAFT

**REACTION (PSYCHOLOGY)**  
UF Reaction time  
Response (Psychology)

**BT BEHAVIOR**

**RT ANXIETY**  
CONDITIONED REFLEX  
EMOTIONS  
MOTIVATION  
MOTOR REACTIONS  
PSYCHOACOUSTICS  
PSYCHOLOGY

**REACTION KINETICS**  
UF Frequency factor  
Reaction rate  
Reaction velocity

**RT CATALYSIS**  
CHEMICAL REACTIONS

**Reaction rate**  
USE REACTION KINETICS

**Reaction time**  
USE REACTION (PSYCHOLOGY) and REFLEXES

**Reaction velocity**  
USE REACTION KINETICS

**REACTOR LATTICE PARAMETERS**  
RT NUCLEAR REACTORS

**REACTOR POWER DENSITY**

**REACTOR SYSTEM COMPONENTS**  
RT HEAT EXCHANGERS  
NUCLEAR REACTORS

**Reactors (Atomic)**  
USE NUCLEAR REACTORS

**Reactors (Electrical)**  
USE SATURABLE REACTORS

**Reactors (Nuclear)**  
USE NUCLEAR REACTORS

**READING**  
RT EDUCATION

**READING MACHINES**  
(Devices which convert printed characters to electrical signals for input to data processing equipment. For devices which project microfilm images for viewing, see FILM READERS.)  
BT INPUT-OUTPUT DEVICES  
RT FILM READERS  
PATTERN RECOGNITION

**Real grassman manifolds**  
USE ALGEBRAIC TOPOLOGY

**REASONING**  
RT BEHAVIOR  
EMOTIONS  
MOTIVATION  
PSYCHOLOGY

**Recoil fluids**  
USE HYDRAULIC FLUIDS

**RECONNAISSANCE PLANES**  
BT AIRCRAFT  
AIRPLANES

**RT AERIAL RECONNAISSANCE**

**Recorders**  
USE RECORDING DEVICES and RECORDING SYSTEMS

**RECORDING DEVICES**  
UF Flight recorders  
Recorders

**NT DIGITAL RECORDING SYSTEMS**  
MAGNETIC RECORDING SYSTEMS  
PHOTOGRAPHIC RECORDING SYSTEMS  
SOUND REPRODUCTION SYSTEMS  
VERTICAL-GUST RECORDERS

**RT ELECTRONIC RECORDING**  
SYSTEMS

**RECORDING SYSTEMS**  
UF Buoyancy recorders  
Recorders

**NT ELECTRONIC RECORDING**  
SYSTEMS  
MAGNETIC RECORDING SYSTEMS

**RECORDERS**  
RT CAMERAS

**RECORDS**  
BT DOCUMENTATION

**RT CLASSIFICATION**  
FLIGHT PROGRESS STRIPS  
LIBRARIES  
REPORTS

**RECOVERY**

**RECOVERY VEHICLES**  
(Ground transportation devices for rescue or recovery operations.)  
UF Wreckers

**BT VEHICLES**

**RT CRASH VEHICLES**  
FIREFIGHTING VEHICLES  
MAINTENANCE VEHICLES

**RECRUITING**  
RT MILITARY PERSONNEL

**Rectifier nets**  
USE MATHEMATICAL LOGIC

**RECTIFIERS**  
NT CRYSTAL RECTIFIERS  
FULL WAVE RECTIFIERS

**Recursion theory**  
USE MATHEMATICAL LOGIC

**Recursive functionals**  
USE MATHEMATICAL LOGIC

**REDUCTION**  
UF Area rule

**REDUNDANT COMPONENTS**  
(Back-up parts or systems not necessary for efficient operation but available for immediate use in case of main system failure.)

**REFLECTION**  
RT DIFFRACTION  
DISTORTION  
ELECTROMAGNETIC WAVE  
REFLECTIONS  
FOCUSING  
LIGHT TRANSMISSION  
OPTICAL PROPERTIES  
RADIOFREQUENCY  
INTERFERENCE  
REFRACTION  
VISIBILITY

**REFLECTORS**  
NT MIRRORS  
RADAR CONFUSION REFLECTORS  
RADAR CORNER REFLECTORS  
RADAR REFLECTORS

**REFLEXES**  
UF Reaction time

**NT CONDITIONED REFLEX**  
GALVANIC SKIN RESPONSE

**RT NERVOUS SYSTEM**

**REFRACTION**  
BT OPTICAL PROPERTIES  
NT ATMOSPHERIC REFRACTION  
REFRACTIVE INDEX

**RT DIFFRACTION**  
DISTORTION  
FOCUSING  
LIGHT TRANSMISSION  
REFLECTION  
SNELL'S LAW

**REFRACTIVE INDEX**  
BT OPTICAL PROPERTIES  
REFRACTION

**RT ATMOSPHERIC REFRACTION**  
FOCUSING  
SNELL'S LAW

**REFRACTOMETERS**  
BT OPTICAL INSTRUMENTS

**REFRACTORY COATINGS**  
UF Heat-resistant coatings

**BT COATINGS**  
FINISHES & FINISHING  
HEAT-RESISTANT MATERIALS  
REFRACTORY MATERIALS

**RT CERAMIC COATINGS**

**REFRACTORY MATERIALS**  
(Nonmetallic ceramic substances used as structural materials at high temperatures. For metals used in similar applications, see HEAT-RESISTANT METALS AND ALLOYS.)  
UF Firebrick

**BT CERAMIC MATERIALS**  
HEAT-RESISTANT MATERIALS

**NT REFRACTORY COATINGS**

**REFRIGERANTS**  
RT COOLANTS  
COOLING & VENTILATING EQUIPMENT

**REFRIGERATION SYSTEMS**  
BT COOLING & VENTILATING EQUIPMENT

**RT AIR CONDITIONING EQUIPMENT**

# THESAURUS OF FAA DESCRIPTORS

**VENTILATION DUCTS**

**REFUELING**  
UF Airplane refueling  
Fueling at sea  
Fueling in flight  
Refueling at sea

**NT REFUELING IN FLIGHT**

**Refueling at sea**  
USE REFUELING

**REFUELING IN FLIGHT**  
BT REFUELING

**REGENERATION**  
*Regenerative heat exchangers*  
USE HEAT EXCHANGERS

**Regulations**  
USE LAW

**REINFORCED CONCRETE**  
BT CONCRETE

**Reinforced flanges**  
USE FLANGES

**REINFORCING MATERIALS**  
UF Reinforcing steel

**RT COMPOSITE MATERIALS**  
FILAMENT WOUND  
CONSTRUCTION  
SANDWICH CONSTRUCTION  
STRUCTURAL PARTS

**Reinforcing steel**  
USE REINFORCING MATERIALS

**RELAXATION OSCILLATORS**  
(Includes oscillators with nonsinusoidal output.)  
BT OSCILLATORS

**RT ELECTRON TUBES**  
TRIGGER CIRCUITS

**RELAXATION TIME**  
(The time-measurable approach to equilibrium, frequently exponential, in response to an abrupt change of forces in material phenomena.)

**Relay systems**  
USE RADIO RELAY SYSTEMS

**RELAYS**  
NT ELECTRIC RELAYS  
ELECTRONIC RELAYS

**RT ELECTRIC SWITCHES**  
RADIO RELAY SYSTEMS

**Release mechanisms (pad)**  
USE EXPLOSIVE ACTUATORS

**RELIABILITY**  
RT QUALITY CONTROL

**Reluctance**  
USE ELECTROMAGNETIC PROPERTIES

**REMOTE CONTROL SYSTEMS**  
UF Radar remoting

**Remover cartridges**  
USE CARTRIDGES (PAD)

**Removers (pad)**  
USE EXPLOSIVE ACTUATORS

**Renal hemodynamics**  
USE BLOOD CIRCULATION and KIDNEYS

**Renewal process**  
USE STATISTICAL PROCESSES

**Renewal theorem**  
USE PROBABILITY

**Repair**  
USE MAINTENANCE

**REPORTS**  
UF Scientific reports

**BT DOCUMENTATION**

**RT ABSTRACTS**  
BIBLIOGRAPHIES  
CLASSIFICATION  
LIBRARIES  
MILITARY PUBLICATIONS  
RECORDS

**Representation (Mathematics)**  
USE CONFORMAL MAPPING

**REPRODUCTION**

**REPRODUCTIVE SYSTEM**  
RT SEX

**RESCUE BEACONS**  
BT BEACONS

**NT AIR-SEA RESCUE BEACONS**  
RT SEA RESCUE EQUIPMENT

**RESCUES**  
NT AIR-SEA RESCUER  
SEA RESCUES

**RT ACCIDENTS**  
SAFETY  
SURVIVAL

**RESEARCH PLANES**  
BT AIRCRAFT

**RESEARCH PLANES (Con.)**

AIRPLANES  
**RESEARCH PROGRAM ADMINISTRATION**  
RT ARMED FORCES RESEARCH  
ENGINEERING  
INDUSTRIAL RESEARCH  
MEDICAL RESEARCH  
OPERATIONS RESEARCH  
SCIENTIFIC ORGANIZATIONS  
SCIENTIFIC RESEARCH

**Reservoirs (Pneumatic)**  
USE PNEUMATIC DEVICES

**Resins**  
USE PLASTICS

**RESISTANCE (ELECTRICAL)**  
UF Resistivity  
BT ELECTRICAL PROPERTIES  
RT DIELECTRIC PROPERTIES  
DIELECTRICS  
ELECTRIC INSULATION  
ELECTRICAL CONDUCTANCE  
PHOTOCONDUCTIVITY  
SUPERCONDUCTIVITY

**RESISTANCE THERMOMETERS**  
BT METERS  
THERMOMETERS  
RT BOLOMETERS  
VORTEX THERMOMETERS

**Resistivity**  
USE RESISTANCE (ELECTRICAL)

**RESISTORS**  
NT THERMISTORS

**RESOLUTION**  
BT OPTICAL PROPERTIES

**RESONANCE**  
BT MOTION  
RT ACOUSTIC PROPERTIES  
DAMPING  
OSCILLATION  
VIBRATION

**RESONANCE ABSORPTION**  
RT ABSORPTION

**RESONATORS**  
NT CAVITY RESONATORS  
QUARTZ RESONATORS  
RT ELECTRON TUBES  
MAGNETRONS  
OSCILLATORS

**RESPIRATION**  
UF Breathing  
Dyspnea  
NT PRESSURE BREATHING  
RT ARTIFICIAL RESPIRATION  
OXYGEN CONSUMPTION

**Respiratory diseases**  
USE DISEASES  
and RESPIRATORY SYSTEM

**RESPIRATORY SYSTEMS**  
UF Bronchi  
Bronchiectasis  
Respiratory diseases  
Trachea

NT LUNGS  
RT BODY  
THROAT

**RESPONSE**  
**Response (Psychology)**  
USE REACTION (PSYCHOLOGY)  
**Response surfaces**  
USE COMBINATORIAL ANALYSIS  
**Restricted occupancy**  
USE PROBABILITY

**Resumes**  
USE ABSTRACTS

**Resuscitation**  
USE ARTIFICIAL RESPIRATION

**Reticulocytes**  
USE ERYTHROCYTES

**RETICULOENDOTHELIAL SYSTEM**  
RT EOSINOPHILS  
ERYTHROCYTES  
LEUKOCYTES  
SPLEEN

**RETINA**  
BT EYE

**Reverse thrust**  
USE THRUST REVERSE

**REVIEWS**  
UF State-of-the-art studies  
RT DOCUMENTATION

**REYNOLDS NUMBER**  
UF Reynolds number effects

BT FLUID DYNAMIC PROPERTIES  
**Reynolds number effects**  
USE REYNOLDS NUMBER

**RFI**  
USE RADIOFREQUENCY  
INTERFERENCE

**Rh blood factor**  
USE BLOOD GROUPS

**Rhodophyta**  
USE ALGAE

**RIBBON PARACHUTES**  
BT PARACHUTES

**Riboflavin**  
USE VITAMIN B COMPLEX

**RIBONUCLEIC ACIDS**  
UF RNA  
BT NUCLEIC ACID

RT NUCLEOSIDES  
NUCLEOTIDES

**Ribonucleotides**  
USE NUCLEOTIDES

**Ribs**  
USE THORAX

**Ricatti's equation**  
USE DIFFERENTIAL EQUATIONS

**Richardson's method**  
USE NUMERICAL METHODS AND  
PROCEDURES

**Riemann invariants**  
USE PARTIAL DIFFERENTIAL  
EQUATIONS

**Riemannian space**  
USE ALGEBRAIC TOPOLOGY

**Riemann's functional equation**  
USE EQUATIONS

**Riesz integrals**  
USE INTEGRALS

**Riesz transform**  
USE SERIES

**Ring domains**  
USE ALGEBRA

**Ring functions**  
USE FUNCTIONS

**RING WINGS**  
UF Annular wings

BT AERODYNAMIC CONFIGURATIONS  
WINGS

RT SHROUD RINGS

**RINGS**  
UF Circles

BT BODIES OF REVOLUTION  
GEOMETRIC FORMS

RT DISKS

**Risk theory**  
USE PROBABILITY

**River models**  
USE HYDRAULIC MODELS

**RIVETED JOINTS**  
BT JOINTS

RT BOLTED JOINTS  
METAL JOINTS

RIVETS

BT LOCKING FASTENER DEVICES  
MECHANICAL FASTENERS

RT RIVETED JOINTS

**RNA**  
USE RIBONUCLEIC ACIDS

**Road sanders**  
USE ROAD-BUILDING EQUIPMENT

**ROAD-BUILDING EQUIPMENT**  
UF Road sanders

**ROADS**  
NT SNOW ROADS

**Robbins-Monro process**  
USE STATISTICAL PROCESSES

**ROCK (GEOLOGY)**  
UF Stones

NT CLAY  
GRAVEL

LIMESTONE  
SAND

RT MINERAL PRODUCTS  
QUARTZ

SILT  
SOILS

**Rocket engines**  
USE ROCKET MOTORS

**Rocket helicopter rotors**  
USE JET HELICOPTER ROTORS

**ROCKET MODELS**  
BT AERODYNAMIC CONFIGURATIONS  
MODELS (SIMULATIONS)

RT AIRPLANE MODELS

WIND TUNNEL MODELS  
**ROCKET MOTOR NOISE**  
BT ENGINE NOISE  
NOISE

**ROCKET MOTOR NOZZLES**  
BT NOZZLES

NT ANNULAR NOZZLES  
CONVERGENT-DIVERGENT  
NOZZLES

CONVERGENT-DIVERGENT  
NOZZLES

PLUG NOZZLES

RT CONICAL NOZZLES  
EXHAUST NOZZLES

THRUST AUGMENTOR NOZZLES

**ROCKET MOTORS**  
UF Rocket engines

NT BOOSTER ROCKETS  
ROCKET MOTORS (LIQUID  
PROPELLANT)

ROCKET MOTORS (SOLID  
PROPELLANT)

SOLAR ROCKETS

RT AIRPLANE ENGINES  
JET ENGINES

LAUNCH VEHICLES  
LAUNCH VEHICLES (AEROSPACE)

PROPULSION

**ROCKET MOTORS (LIQUID  
PROPELLANT)**  
BT ROCKET MOTORS

**ROCKET MOTORS (SOLID  
PROPELLANT)**  
BT ROCKET MOTORS

**ROCKET PLANES**  
BT AIRCRAFT

AIRPLANES

**ROCKET PROPELLANTS**  
BT PROPELLANTS

NT LIQUID ROCKET PROPELLANTS

**ROCKET PROPULSION**  
BT PROPULSION

RT BOOSTER ROCKETS  
ELECTRIC PROPULSION

NUCLEAR PROPULSION

**ROCKET-PROPELLED SLEDS**  
UF Track test vehicles

BT TEST VEHICLES

RT SLEDS  
TRACKS (AERODYNAMICS)

**ROCKETS**  
(Unmanned, self-propelled vehicles  
with or without a warhead whose  
trajectory or course cannot be  
altered after launch)

RT LAUNCHING  
PROJECTILES

WEAPONS

**RODENTS**  
UF Dipodomys

Guinea pigs  
Hamsters

Kangaroo rats  
Muskrats

Squirrels

BT ANIMALS  
MAMMALS

NT MICE  
RATS

**RODS**  
UF Bars

BT STRUCTURAL PARTS

**Röntgen rays**  
USE X RAYS

**Rogallo wings**  
USE PARAWINGS

**ROLL**  
BT MOTION

RT FLIGHT CHARACTERISTICS

**ROLLER BEARINGS**  
UF Needle bearings

BT ANTI-FRICTION BEARINGS  
BEARINGS

RT AIRFRAME BEARINGS  
BALL BEARINGS

**Rolling contact bearings**  
USE ANTI-FRICTION BEARINGS

**Rope**  
USE CORDAGE

**Rorschach test**  
USE PROJECTIVE TECHNIQUES

**ROTARY COMPRESSORS**  
BT COMPRESSORS

RT AXIAL-FLOW COMPRESSORS  
CENTRIFUGAL COMPRESSORS  
HIGH-PRESSURE COMPRESSORS

**ROTARY SEALS**  
BT SEALS (STOPPERS)

RT FUEL SEALS  
GAS SEALS

PLASTIC SEALS

**ROTARY SWITCHES**  
BT ELECTRIC SWITCHES

RT CHANNEL SELECTORS  
TRANSFER SWITCHES

**ROTARY WINGS**  
UF Rotors (Rotary wing)

BT AERODYNAMIC CONFIGURATIONS  
WINGS

NT AUTOGYRO ROTORS  
HELICOPTER ROTORS

JET HELICOPTER ROTORS  
TAIL HELICOPTER ROTORS

RT ROTOR BLADES (ROTARY WINGS)  
ROTORCHUTES

**Rotatable designs**  
USE COMBINATORIAL ANALYSIS

**ROTATION**  
BT MOTION

NT SPIN

**Rotational flow**  
USE VORTICES

**Rotofoil parachutes**  
USE ROTORCHUTES

**ROTOR BLADES (ROTARY WINGS)**  
UF Autogyro rotor blades

Helicopter blades

BT AERODYNAMIC CONFIGURATIONS

RT AUTOGYRO ROTORS  
BLADE AIRFOILS

HELICOPTER ROTORS  
PROPELLER BLADES

PROPELLERS (AERIAL)  
ROTARY WINGS

TAIL HELICOPTER ROTORS

**ROTOR BLADES  
(TURBOMACHINERY)**  
UF Turbosupercharger blades

RT COMPRESSOR BLADES  
IMPELLERS

TURBINE BLADES

**ROTOR HUBS**  
RT PROPELLER HUBS

**Rotor-attitude indicators**  
USE ATTITUDE INDICATORS

**ROTORCHUTES**  
UF Rotofoil parachutes

RT PARACHUTES  
PROPELLERS (AERIAL)

ROTARY WINGS

**Rotors (Impellers)**  
USE IMPELLERS

**Rotors (Rotary wing)**  
USE ROTARY WINGS

**Roughness**  
USE SURFACE PROPERTIES

**Routes**  
USE AIR ROUTES

**RUBBER**  
(Natural rubber, latex, and its  
vulcanizates and products)

UF Natural rubber  
Rubber latex

BT ELASTOMERS

RT SYNTHETIC RUBBER

**RUBBER COATINGS**  
UF Rubber-coating materials

BT COATINGS  
FINISHES & FINISHING

ORGANIC COATINGS

**Rubber latex**  
USE RUBBER

**Rubber plugs**  
USE RUBBER SEALS

**RUBBER SEALS**  
UF Rubber plugs

BT SEALS (STOPPERS)

RT FUEL SEALS  
GAS SEALS

**Rubber-coating materials**  
USE RUBBER COATINGS

**RUBY**  
UF Ruby (Synthetic)

BT CORUNDUM  
MINERAL PRODUCTS

**Ruby (Synthetic)**  
USE RUBY

**Rudder tabs**  
USE TRIM TABS

**Rudders (Aerial)**  
USE AERIAL RUDDERS

**Rugs**

USE FLOOR COVERINGS  
**Runge Kutts method**  
 USE NUMERICAL METHODS AND PROCEDURES

**RUNUP**

(Operation of jet aircraft engine on the ground for any purpose.)

**Runway lights**

USE MARKER LIGHTS  
 and RUNWAYS

**RUNWAYS**

UF Distance-to-go-markers  
 Runway lights  
 BT TERMINAL FLIGHT FACILITIES  
 RT APRONS  
 LANDING AIDS  
 LANDING FIELDS  
 LANDING MATS  
 TAXIWAYS  
 TOUCHDOWN

**RUPTURE**

UF Burst  
 BT FAILURE (MECHANICS)  
 MECHANICAL PROPERTIES

**Rust prevention**

USE CORROSION INHIBITION

**S****S BAND**

(1550 to 5200 mc.)  
 BT FREQUENCY  
 MICROWAVE FREQUENCY  
 RADIOFREQUENCY

**RT C BAND****Saccharomyces**

USE YEASTS

**SAFETY**

UF Safety engineering  
 Safety measures  
 NT AVIATION SAFETY  
 FIRE SAFETY  
 RT ACCIDENTS  
 HAZARDS  
 MOTOR VEHICLE ACCIDENTS  
 RESCUES  
 WARNING SYSTEMS

**Safety belts**

USE SAFETY HARNESS

**SAFETY DEVICES**

NT SAFETY HARNESS

**Safety engineering**

USE SAFETY

**SAFETY HARNESS**

UF Safety belts  
 Seat belts  
 BT SAFETY DEVICES

**Safety measures**

USE SAFETY

**Sailors**

USE NAVAL PERSONNEL

**Sailplanes**

USE GLIDERS

**Salaries**

USE WAGES

**Soft water soaps**

USE SOAPS

**Samarium compounds**

USE RARE EARTH COMPOUNDS

**SAMPLERS**

UF Impingers  
 Sampling apparatus  
 RT COUNTING METHODS

**SAMPLING**

UF Lieberman-Solomon multilevel  
 Poisson sampling

**Sampling (Industrial)**

USE QUALITY CONTROL

**Sampling apparatus**

USE SAMPLERS

**SAND**

BT ROCK (GEOLOGY)  
 SOILS

**Sand casting**

USE CASTING

**SANDWICH CONSTRUCTION**

RT LAMINATED PLASTICS  
 PLYWOOD  
 REINFORCING MATERIALS  
 SANDWICH PANELS  
**SANDWICH PANELS**  
 BT PANELS (STRUCTURAL)  
 STRUCTURAL PARTS  
 RT AIRPLANE PANELS  
 HONEYCOMB CORES  
 SANDWICH CONSTRUCTION

**Sarcoma**

USE CANCER

**SATELLITE ANTENNAS**

BT ANTENNAS  
 RT RADAR ANTENNAS

**SATELLITE ATTITUDE****SATELLITE NETWORKS**

RT SATELLITES (ARTIFICIAL)

**SATELLITES (ARTIFICIAL)**

BT SPACECRAFT  
 NT COMMUNICATION SATELLITES  
 (ACTIVE)  
 COMMUNICATION SATELLITES  
 (PASSIVE)  
 METEOROLOGICAL SATELLITES  
 NAVIGATION SATELLITE

RT SATELLITE NETWORKS

**SATURABLE REACTORS**

UF Reactors (Electrical)  
 Saturable transformers  
 Saturable-core reactors  
 BT TRANSFORMERS  
 RT MAGNETIC AMPLIFIERS  
 MAGNETIC CORES  
 POWER TRANSFORMERS

**Saturable transformers**

USE SATURABLE REACTORS

**Saturable-core reactors**

USE SATURABLE REACTORS

**SCALE****Scale theory**

USE STATISTICAL ANALYSIS

**SCALERS**

UF Scaling circuits  
 BT CIRCUITS  
 RT COUNTING METHODS  
 RADIATION MEASUREMENT  
 SYSTEMS

**Scales**

USE BALANCES

**Scaling (Psychology)**

USE PSYCHOMETRICS

**Scaling circuits**

USE SCALERS

**Scanners**

USE SCANNING

**SCANNING**

UF Scanners  
 NT ELECTRONIC SCANNERS  
 RADAR SCANNING  
 RADIO SCANNING

**SCATTERING**

(Random dispersion over a comparatively wide area, as of aerosol particles, ammunition fragments, or beams of radiation. For the process of intermingling of molecules as the result of thermal agitation or differences in concentration, see DIFFUSION.)  
 RT DIFFUSION

**Scattering operator**

USE OPERATORS (MATHEMATICS)

**SCHEDULING**

UF Occupancy theory

**Schlicht functions**

USE FUNCTIONS

**SCHLIEREN PHOTOGRAPHY**

BT PHOTOGRAPHY

RT INTERFEROMETERS

**Schmidt theory**

USE INTEGRAL EQUATIONS

**Schwartz, theory**

USE DISTRIBUTION THEORY

**Scientific Intelligence**

USE TECHNOLOGICAL INTELLIGENCE

**SCIENTIFIC ORGANIZATIONS**

UF Organizations (Scientific)  
 RT ARMED FORCES RESEARCH  
 INDUSTRIAL RESEARCH  
 MEDICAL RESEARCH  
 RESEARCH PROGRAM  
 ADMINISTRATION

**SCIENTIFIC RESEARCH****SCIENTIFIC PERSONNEL**

BT PROFESSIONAL PERSONNEL  
 RT AVIATION PERSONNEL  
 ENGINEERING PERSONNEL  
 GOVERNMENT EMPLOYEES  
 INSTRUCTORS  
 MEDICAL PERSONNEL  
 MILITARY PERSONNEL

**Scientific reports**

USE REPORTS

**SCIENTIFIC RESEARCH**

NT AERONAUTICS  
 ELECTRONICS  
 HIGH-PRESSURE RESEARCH  
 HIGH-TEMPERATURE RESEARCH  
 LOW-PRESSURE RESEARCH  
 LOW-TEMPERATURE RESEARCH  
 RT ARMED FORCES RESEARCH  
 CHEMISTRY  
 ENGINEERING  
 INDUSTRIAL RESEARCH  
 MATHEMATICS  
 MEDICAL RESEARCH  
 OPERATIONS RESEARCH  
 PHYSICS  
 RESEARCH PROGRAM  
 ADMINISTRATION  
 SCIENTIFIC ORGANIZATIONS

**Scoops (Aerodynamics)**

USE DUCT INLETS

**Scoops (Engines)**

USE AIR SCOOPS

**Scout bombers**

USE PATROL BOMBERS

**Scout planes**

USE PATROL PLANES

**Screens (Viewing)**

USE VIEWING SCREENS

**SCREWS**

BT MECHANICAL FASTENERS

**Scuba**

USE BREATHING APPARATUS

**SCURRY FUELS**

RT JET ENGINE FUELS

**SEA BREEZE**

BT ATMOSPHERIC MOTION  
 METEOROLOGICAL PHENOMENA  
 WIND

RT MARINE METEOROLOGY

**SEA RESCUE EQUIPMENT**

UF Radio rescue buoys  
 Submarine rescue chambers  
 NT LIFE PRESERVERS  
 LIFE RAFTS  
 RT AIR-SEA RESCUES  
 RESCUE BEACONS  
 SURVIVAL  
 SURVIVAL KITS

**SEA RESCUES**

BT RESCUES  
 NT AIR SEA RESCUES  
 RT DITCHING  
 SURVIVAL

**See sickness**

USE MOTION SICKNESS

**SEA WATER**

BT WATER  
 RT OCEANS

**SEALING COMPOUNDS**

UF Calking compounds  
 BT ADHESIVES  
 RT BITUMINOUS COATINGS  
 SEALS (STOPPERS)  
 TAR

**SEALS (STOPPERS)**

UF Packings (Seals)  
 NT GEL SEALS  
 GAS SEALS  
 METAL SEALS  
 PLASTIC SEALS  
 ROTARY SEALS  
 RUBBER SEALS  
 VACUUM SEALS  
 RT ADHESIVES  
 SEALING COMPOUNDS

**SEAPLANE FLOATS**

UF Pramatic floats  
 BT AIRCRAFT EQUIPMENT  
 FLOATS  
 HYDRODYNAMIC  
 CONFIGURATIONS  
 HYDROFOLLS  
 LANDING GEAR  
 PLANNING SURFACES  
 RT AIRCRAFT PROTECTORANCE

**HYDRO-SKIS****SEAPLANES**

BT AIRCRAFT  
 AIRPLANES  
 WATER-LAUNCHED AIRPLANES  
 RT AMPHIBIAN PLANES  
 FLYING BOATS

**SEARCH RADAR**

UF Search radar antennas  
 Search radar pulses  
 Search radar receivers  
 Search radar scanners  
 Surveillance radar  
 BT RADAR  
 RT AIRPORT RADAR SYSTEMS  
 RADAR STATION

**Search radar antennas**

USE RADAR ANTENNAS

and SEARCH RADAR

**Search radar pulses**

USE RADAR ANTENNAS

and SEARCH RADAR

**Search radar receivers**

USE RADAR RECEIVERS

and SEARCH RADAR

**Search radar scanners**

USE RADAR EQUIPMENT

and RADAR SCANNING

and SEARCH RADAR

**SEARCH THEORY**

(Operations research techniques developed for use in the study of ways to minimize the effort required to locate an object.)

RT OPERATIONS RESEARCH

**Searchlight shutters**

USE SEARCHLIGHTS

**SEARCHLIGHTS**

UF Searchlight shutters  
 BT LIGHTING EQUIPMENT  
 RT FLOODLIGHTS

**SEASONAL VARIATIONS**

BT PERIODIC VARIATIONS

RT DIURNAL VARIATIONS

**Seat belts**

USE SAFETY HARNESS

**SEATS**

UF Vehicle seats

**Seaweed**

USE ALGAE

**Second-order prediction**

USE MATHEMATICAL PREDICTION

**SECONDARY EMISSION**

UF Secondary emitters  
 RT ELECTRON BOMBARDMENT  
 FIELD EMISSION  
 PHOTOMULTIPLIERS  
 THERMIONIC EMISSION

**Secondary emitters**

USE SECONDARY EMISSION

**Sector control**

USE ATC TERMINAL AREAS

**Secular equations**

USE EQUATIONS

**SEDIMENTARY ROCK**

RT SILT

**SEEDS**

RT POLLEN

**SEISMIC WAVES**

BT MECHANICAL WAVES  
 RT SHOCK WAVES

**SELECTION****Selectors (Channel)**

USE CHANNEL SELECTORS

**SELENIDES**

BT CHEMICAL COMPOUNDS

**Self-adaptive control systems**

USE ADAPTIVE CONTROL SYSTEMS

**Self-ignition**

USE AUTOIGNITION

**Self-locking fasteners**

USE LOCKING FASTENER DEVICES

**Self-locking nuts**

USE LOCKING FASTENER DEVICES

**SELF-SEALING COUPLINGS**

BT COUPLINGS

FITTINGS

RT FLEXIBLE COUPLINGS

HOSE FITTINGS

HYDRAULIC COUPLINGS

**Selwyns**

USE SYNCHROS

**Semi-lattices**

USE ALGEBRA



**SEMICIRCULAR CANALS**

BT EAR  
VESTIBULAR APPARATUS

**SEMICONDUCTING FILMS**

BT FILMS  
RT THIN FILMS (STORAGE DEVICES)

**SEMICONDUCTOR DEVICES**

NT DIODES (SEMICONDUCTORS)  
TRANSISTORS  
TUNNEL DIODES  
VARACTOR DIODES  
RT DIODES  
ELECTRON TUBE PARTS  
ELECTRON TUBES  
OSCILLATORS

**SEMICONDUCTORS**

RT CRYOGENIC STORAGE DEVICES  
ELECTRICAL CONDUCTANCE  
ELECTROLUMINESCENCE

**Seminars**

USE SYMPOSIA

**Senescence**

USE AGING (PHYSIOLOGY)

**Sensation**

USE SENSORY MECHANISMS

**SENSE ORGANS**

RT AUTONOMIC NERVOUS SYSTEM  
BODY  
BRAIN  
NERVE CELLS  
NERVES

**SENSING ELEMENTS**

UF Sensors

**SENSITIVITY**

**Sensitivity experiments**

USE STATISTICAL ANALYSIS

**Sensitization**

USE ANTIGEN-ANTIBODY REACTIONS

**Sensors**

USE SENSING ELEMENTS

**SENSORY DEPRIVATION**

BT STRESS (PSYCHOLOGY)  
RT ABNORMAL PSYCHOLOGY  
CONFINED ENVIRONMENTS  
PSYCHOLOGY

**SENSORY MECHANISMS**

UF Intersensory perception  
Sensation  
Sensory perception  
BT PERCEPTION  
HEARING  
PAIN  
PROPRIOCEPTION  
SMELL  
SPACE PERCEPTION  
TOUCH  
VISION  
RT ACUITY  
THRESHOLDS (PHYSIOLOGY)

**Sensory perception**

USE SENSORY MECHANISMS

**SEPARATION**

(For industrial and laboratory processes see MATERIAL SEPARATION)

**SEQUENCES**

UF Binary sequences

**SEQUENTIAL ANALYSIS**

UF Sequential determination

**Sequential determination**

USE SEQUENTIAL ANALYSIS

**SERIES**

UF Arity series  
Asymptotic expansion  
Asymptotic series  
Cauchy points  
Cauchy product  
Caesaro transform  
Dirichlet series  
Eigenfunction series  
Eisenstein series  
Jacobi series  
Lambert series  
Legendre expansions  
Lototsky method  
Norlund means  
Norlund methods  
Riesz transform  
Series expansions  
Tauberian series  
Tauberian theorem

**Series expansions**

USE SERIES

**Serum proteins**

USE BLOOD PROTEINS

**SERVO AMPLIFIERS**

UF Control amplifiers  
BT AMPLIFIERS  
USE SERVOMECHANISMS

**Servo control valves**

USE SERVOMECHANISMS

**SERVOMECHANISMS**

UF Servo control valves  
Torque amplifiers  
NT HYDRAULIC SERVOMECHANISMS  
PNEUMATIC SERVOMECHANISMS  
SERVOMOTORS  
RT ACTUATORS  
SYNCHROS

**SERVOMOTORS**

BT SERVOMECHANISMS  
RT HYDRAULIC SERVOMECHANISMS  
PNEUMATIC SERVOMECHANISMS

**SEX**

RT BIOLOGY  
REPRODUCTIVE SYSTEM

**SEX GLANDS**

UF Gonads  
Ovaries  
Testes  
BT GLANDS  
RT ENDOCRINE GLANDS  
HORMONES

**SEXTANTS**

BT POSITION FINDING  
RT DIRECTION FINDING

**Sferics**

USE ATMOSPHERICS

**SHAFTS**

BT ENGINE STRUCTURES  
NT DRIVE SHAFTS

**SHEAR STRESSES**

BT MECHANICAL PROPERTIES  
STRESSES  
RT THERMAL STRESSES

**Sheep**

USE MAMMALS

**SHEETS**

RT FOILS  
METAL PLATES  
PANELS (STRUCTURAL)

**SHELTERS**

(Structures that afford protection against specific weapons or against natural phenomena)

UF Air raid shelters  
Battle shelters  
Bomb shelters  
RT BUILDINGS  
UNDERGROUND STRUCTURES

**SHIELDING**

(A body of material that prevents the passage of ionizing radiation)

RT ABSORPTION  
ELECTROMAGNETIC SHIELDING  
HEAT SHIELDS

**SHIP AUXILIARY EQUIPMENT**

RT HATCHES  
NETS  
UNDERWATER EQUIPMENT

**Ship drones**

USE DRONES

**SHIP STRUCTURAL COMPONENTS**

NT HATCHES

**SHIPBORNE**

**Shipping**

USE TRANSPORTATION

**SHIPS**

NT SHIPS (NON MILITARY)

**SHIPS (NON MILITARY)**

BT SHIPS

**SHIVERING**

RT BODY TEMPERATURE

**SHOCK (MECHANICS)**

(Transient motion in mechanical systems characterized by suddenness and by significant relative displacements. For studies of the effects of these displacements their transmission propagation etc see SHOCK WAVES)

NT IMPACT SHOCK  
RT LANDING IMPACT  
MOTION

**SHOCK (PATHOLOGY)**

UF Blood circulation insufficiency

**Hemorrhagic shock**

Surgical shock

Traumatic shock

RT CONCUSSION  
HEMORRHAGE  
STRESS (PHYSIOLOGY)  
SURGERY  
WOUNDS & INJURIES

**SHOCK RESISTANCE**

BT MECHANICAL PROPERTIES  
RT BRITTLENESS

**SHOCK TUBES**

RT HYPERSONIC WIND TUNNELS  
SHOCK WAVES

**SHOCK WAVES**

UF Compression shock  
Explosion waves (Shock)  
BT EXPLOSION EFFECTS  
MECHANICAL WAVES  
RT BLAST  
GUST LOADS  
SEISMIC WAVES  
SHOCK TUBES

**SHORAN**

BT NAVIGATION  
RT HYPERBOLIC NAVIGATION  
POSITION FINDING  
RADIO NAVIGATION

**SHORT TAKE-OFF PLANES**

UF STOL  
BT AIRCRAFT  
AIRPLANES  
NT CONVERTIBLE AIRPLANES  
VERTICAL TAKE-OFF PLANES  
RT AUTOGYROS  
FLYING PLATFORMS  
HELICOPTERS

**Short wave therapy**

USE ELECTROTHERAPY

**Shoulder**

USE ARMS  
and JOINTS (PHYSIOLOGY)

**Shrimps**

USE CRUSTACEA

**Shroud lines**

USE CORDAGE

**SHROUD RINGS**

UF Propeller shrouds  
Shrouds (Annular)  
NT SHROUDED PROPELLERS  
RT RING WINGS

**SHROUDED PROPELLERS**

UF Ducted propellers (Ext shroud)  
BT SHROUD RINGS  
RT DUCTED FANS  
PROPELLERS (AERIAL)

**Shrouds (Annular)**

USE SHROUD RINGS

**Shwartzman phenomenon**

USE ALLERGY

**Side lobe suppressors**

USE ANTENNA LOBES  
and SUPPRESSORS

**SIDE-LOOKING RADAR**

BT RADAR

**SIDESANDS**

RT AMPLITUDE MODULATION

**SIDESLIP**

(Motion of an aircraft in which a relative flow of air moves along the lateral axis especially a downward slip along the lateral axis of an airplane when its wings are sharply banked the slip being in reaction to gravity)

BT FLIGHT

RT CRAB

**Sierpinski curve**

USE TOPOLOGY

**Signal**

USE VISION

**SIGHTS**

UF Gun-bomb-rocket sights

NT OPTICAL SIGHTS

**Sigmoid colon**

USE INTESTINES

**SIGNAL GENERATORS**

BT TEST EQUIPMENT  
(ELECTRONICS)

**SIGNAL LIGHTS**

UF Lights (Signals)  
BT SIGNALS  
NT IDENTIFICATION LIGHTS  
INDICATOR LIGHTS  
RT APPROACH LIGHTS

**BEACON LIGHTS**

FLARES  
FLASHLIGHTS  
LIGHTING EQUIPMENT  
MARKER LIGHTS  
NAVIGATIONAL LIGHTS  
STROBE LIGHTS

**SIGNAL-TO-NOISE RATIO**

**Signalling mirrors**

USE MIRRORS

**SIGNALS**

(General concepts regarding the conveyance or transmission of information, whether by visible, audible, electronic, or other means.)

UF Drift signals  
NT DIRECTION FINDING SIGNALS  
DISTRESS SIGNALS  
IDENTIFICATION LIGHTS  
RADAR SIGNALS  
RADIO SIGNALS  
SIGNAL LIGHTS  
SOUND SIGNALS  
TELEGRAPH SIGNALS  
VIDEO SIGNALS  
VISUAL SIGNALS  
RT BEACONS  
COMMUNICATION SYSTEMS  
FLARES  
PYROTECHNICS  
SMOKES

**SILANES**

BT SILICON COMPOUNDS

**SILICATES**

RT SILICON COMPOUNDS

**SILICIC ACIDS**

BT CHEMICAL COMPOUNDS  
INORGANIC COMPOUNDS

**SILICIDES**

RT SILICON COMPOUNDS

**SILICON**

BT NON-METALS

**SILICON COMPOUNDS**

NT SILANES

SILOXANES

RT SILICATES

SILICIDES

**SILICONE PLASTICS**

UF Silicone polymers  
Silicone resins  
BT PLASTICS  
THERMOSETTING PLASTICS

**Silicone polymers**

USE SILICONE PLASTICS

**Silicone resins**

USE SILICONE PLASTICS

**SILICONES**

**SILK**

BT TEXTILES  
RT PARACHUTE FABRICS

**SILOXANES**

BT SILICON COMPOUNDS

**SILT**

BT SOILS  
RT ROCK (GEOLOGY)  
SEDIMENTARY ROCK

**SILVER ALLOYS**

BT ALLOYS

**SILVER SOLDER**

UF Brazing alloys  
BT SOLDERING ALLOYS

**SIMULATION**

UF Simulators  
NT ANTENNA SIMULATORS  
CONTROL SIMULATORS  
FLIGHT SIMULATORS  
FLUTTER SIMULATORS  
GUIDED MISSILE SIMULATOR  
RADAR TARGET POSITION  
SIMULATORS  
SUBMARINE SIMULATORS  
RT COMPUTERS  
HYDRAULIC MODELS  
MODEL TESTS  
MODELS (SIMULATIONS)  
SPECIAL PURPOSE COMPUTERS  
TRAINING DEVICES

**Simulators**

USE SIMULATION

**SINGLE CRYSTALS**

BT CRYSTALS  
RT GRAIN STRUCTURES  
(METALLURGY)  
MARTENSITE



**SINGLE SIDEBAND COMMUNICATION SYSTEM**  
BT COMMUNICATION SYSTEMS  
RADIO COMMUNICATION SYSTEMS

**Sinking**  
USE DESCENT  
**Sintered cathodes**  
USE CATHODES (ELECTRON TUBES)

**SINTERING**  
UF Fresh entering  
BT MATERIAL FORMING

**SITE SELECTION**  
(Location selected for placement of equipment or facilities; as well as process of selection)  
RT INDUSTRIAL PLANTS  
MILITARY FACILITIES

**SKELETON**  
BT MUSCULOSKELETAL SYSTEM  
RT BONE  
JOINTS (PHYSIOLOGY)  
SPINAL COLUMN  
TISSUES (BIOLOGY)

**Ski landing gear**  
USE LANDING GEAR  
and SKIS

**Skids**  
USE LANDING GEAR

**SKIN**  
RT TISSUES (BIOLOGY)

**SKIS**  
(Excludes HYDRO-SKIS)  
UF Ski landing gear

**Skull**  
USE HEAD

**SKY BRIGHTNESS**  
UF Anyhow  
RT ALUMINAE  
LIGHT TRANSMISSION  
TWILIGHT

**SLAGS**  
BT WASTES (INDUSTRIAL)  
RT METALLURGY

**Slant airways**  
USE AIRWAYS

**Sledges**  
USE SLEDS  
**SLEDS**  
UF Sledges  
BT VEHICLES  
RT CARGO VEHICLES  
PASSENGER VEHICLES  
ROCKET-PROPELLED SLEDS  
SNOW VEHICLES  
TOWED VEHICLES

**SLEEP**  
RT HIBERNATION

**SLENDER WINGS**  
(Aircraft wings with a high aspect ratio)

**BT WINGS**  
**Slips a problem**  
USE STATISTICAL ANALYSIS

**SLIPSTREAM**  
(Turbulent flow of air driven backward by propellers)

**BT WAKE**  
RT DOWNWASH  
TURBULENCE  
VORTICES

**SLOSHING**  
(The sloshing of a liquid fuel in its tank)

UF Fuel sloshing  
Propellant sloshing

**SLOT ANTENNAS**  
UF Flush-mounted antennas  
BT ANTENNA CONFIGURATIONS  
ANTENNAS  
RT WAVEGUIDE SLOTS

**Slots (Aerodynamic)**  
USE AERODYNAMIC SLOTS

**SLOTTED FLAPS**  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
AERODYNAMIC SLOTS  
CONTROL SURFACES  
FLAPS  
TRAILING CONTROL SURFACES  
RT AIR BRAKE FLAPS  
ELEVATORS

**SPLIT FLAPS**  
**Slow motion cameras**  
USE MOTION-PICTURE CAMERAS  
**FLUSH**  
RT SNOW  
WATER

**SMALL TOOLS**  
RT DIES  
DRILLING MACHINES  
MAINTENANCE EQUIPMENT

**SMELL**  
UF Olfactory thresholds  
BT PERCEPTION  
SENSORY MECHANISMS  
RT NOSE

**Smirnov moments**  
USE STATISTICAL ANALYSIS  
**Smirnov statistics**  
USE STATISTICAL ANALYSIS

**SMOKES**  
UF Oil smokes  
Tobacco smokes  
BT COLLOIDS  
RT AEROSOLS  
ATMOSPHERIC POLLUTION  
PARTICLES  
PYROTECHNICS  
SIGNALS  
WASTE GASES

**Smoother data**  
USE NUMERICAL ANALYSIS

**SMELL'S LAW**  
BT OPTICAL PROPERTIES  
RT LIGHT TRANSMISSION  
REFRACTION  
REFRACTIVE INDEX

**SNOW**  
BT ATMOSPHERIC CONDENSATION  
ATMOSPHERIC PRECIPITATION  
METEOROLOGICAL PHENOMENA  
RT ICE  
SLUSH

**SNOW REMOVAL**

**SNOW ROADS**

BT ROADS

**SNOW VEHICLES**

BT VEHICLES  
RT CARGO VEHICLES  
MAINTENANCE VEHICLES  
PASSENGER VEHICLES  
SLEDS  
TOWED VEHICLE...

**Soap solutions**  
USE SOAPS

**SOAPS**

UF San water soaps  
Soap solutions  
BT CLEANING COMPOUNDS  
RT SURFACE-ACTIVE SUBSTANCES

**SOCIAL COMMUNICATION**

BT SOCIOLOGY  
RT GROUP DYNAMICS  
SOCIONETRICS

**SOCIAL SCIENCES**

RT POPULATION

**SOCIOLOGY**

NT CRIMINOLOGY  
POLITICAL SCIENCE  
POPULATION  
PUBLIC OPINION  
PUBLIC RELATIONS  
SOCIAL COMMUNICATION  
SOCIONETRICS  
RT ANTHROPOLOGY  
CULTURE

**SOCIONETRICS**

BT SOCIOLOGY  
NT PUBLIC OPINION  
RT POPULATION  
SOCIAL COMMUNICATION

**SOCKS**

BT CLOTHING  
RT PROTECTIVE CLOTHING

**SODIUM ALLOYS**

BT ALLOYS

**SODIUM COMPOUNDS**

**Soil compaction**  
USE SOIL MECHANICS

**SOIL MECHANICS**

UF Soil compaction  
Soil percolation  
Soil stability

BT MECHANICS  
RT PERMAFROST  
TRAFFICABILITY

**Soil percolation**  
USE SOIL MECHANICS

**Soil stability**  
USE SOIL MECHANICS

**SOILS**

NT GRAVEL  
SAND  
SILT  
RT ORES (NON-METALLIC)  
ROCK (GEOLOGY)

**SOLAR ATMOSPHERE**

RT SOLAR RADIATION

**Solar batteries**

USE SOLAR CELLS  
**SOLAR CELLS**  
UF Solar batteries  
BT BATTERIES & COMPONENTS  
RT ENERGY CONVERSION

**SOLAR DISTURBANCES**

NT SOLAR FLARES  
SUNSPOTS  
RT SOLAR RADIATION

**Solar energy**  
USE SOLAR RADIATION

**SOLAR FLARES**

BT SOLAR DISTURBANCES  
RT SUNSPOTS

**SOLAR PANELS**

(Flat surfaces containing numerous solar cells that are used on artificial satellites and spacecraft for electric power production)

RT ELECTRIC POWER PRODUCTION  
POWER SUPPLIES

**SOLAR RADIATION**

UF Solar energy  
RT SOLAR ATMOSPHERE  
SOLAR DISTURBANCES

**SOLAR ROCKETS**

(Rocket motors that operate by converting solar energy)

BT ROCKET MOTORS  
RT BOOSTER ROCKETS

**SOLDERED JOINTS**

BT JOINTS  
RT BONDED JOINTS  
METAL JOINTS

**SOLDERING ALLOYS**

BT ALLOYS  
NT SILVER SOLDER  
RT THERMAL JOINING

**Soldiers**  
USE MILITARY PERSONNEL

**SOLFONDS**

BT COILS  
RT ACTUATORS  
ELECTRIC SWITCHES

**Solid delay lines**

USE DELAY LINES

**SOLID STATE PHYSICS**

RT MECHANICS  
NUCLEAR PHYSICS  
PHYSICS

**SOLIDS**

NT METALLIC CRYSTALS

**SOLUTIONS**

RT COLLOIDS  
EUTECTICS  
GELS

**Sonar**

USE SOUND RANGING

**SONIC BOOM**

RT JET PLANE NOISE

**SONIC FATIGUE**

BT FATIGUE (MECHANICS)

**SORPTION**

NT ADSORPTION

**SOUND**

UF Sound waves  
BT MECHANICAL WAVES  
NT ULTRASONIC RADIATION

RT ACOUSTICS  
NOISE  
PSYCHOACOUSTICS

**Sound equipment**  
USE ACOUSTIC EQUIPMENT

**SOUND GENERATORS**

BT ACOUSTIC EQUIPMENT  
NOISE GENERATORS  
SOUND REPRODUCTION  
SYSTEMS

RT ELECTROACOUSTIC  
TRANSDUCERS  
MEGAPHONES  
MICROPHONES

**SOUND PITCH**

UF Pitch (Acoustic)

RT PITCH DISCRIMINATION

**SOUND RANGING**

UF Sonar  
RT DETECTION  
DOPPLER SYSTEMS  
POSITION FINDING  
RANGE FINDING

**SOUND REPRODUCTION SYSTEMS**

BT ACOUSTIC EQUIPMENT  
ELECTRONIC RECORDING  
SYSTEMS  
RECORDING DEVICES  
SOUND GENERATORS  
RT PHOTOGRAPHIC RECORDING  
SYSTEMS

**SOUND SIGNALS**

BT SIGNALS

**SOUND TRANSMISSION**

BT ACOUSTIC PROPERTIES  
WAVE TRANSMISSION

**Sound waves**  
USE SOUND

**Soundproofing**  
USE ACOUSTIC INSULATION

**SOURCES**

**Souriau-Frame characteristic equal**  
USE EQUATIONS

**SPACE BIOLOGY**

(Studies of organisms outside the earth, stars, etc. For studies directed primarily toward determining the effects of the space environment, space flight, etc. on man, see SPACE MEDICINE)

UF Astrobiology  
Bioastronautics  
Extraterrestrial life  
BT BIOLOGY  
RT CLOSED-CYCLE ECOLOGICAL  
SYSTEMS  
SPACE MEDICINE

**SPACE BORNE**

**SPACE CAPSULES**

(Pressurized enclosures that convey man or animals in orbital or suborbital flight beyond the earth, atmosphere)

BT SPACECRAFT  
RT RE-ENTRY VEHICLES

**SPACE CHARGES**

RT THERMIONIC EMISSION

**SPACE COMMUNICATION SYSTEMS**

UF Radio communication

BT COMMUNICATION SYSTEMS

**SPACE ENVIRONMENTAL CONDITIONS**

RT COSMIC RAYS  
METEORS  
RADIATION EFFECTS  
VAN ALLEN RADIATION BELT  
WEIGHTLESSNESS

**SPACE FLIGHT**

BT FLIGHT

**SPACE MEDICINE**

BT MEDICINE  
RT AVIATION MEDICINE  
CLOSED-CYCLE ECOLOGICAL  
SYSTEMS

**SPACE BIOLOGY**

**SPACE NAVIGATION**

BT NAVIGATION

**SPACE PERCEPTION**

UF Depth perception  
Stereoscopic vision  
BT PERCEPTION  
SENSORY MECHANISMS  
RT PROPHOCEPTION

**SPACE STATIONS**

(Extraterrestrial bases on man-made space platforms rather than those established on natural astronomical bodies)

BT SPACECRAFT

**SPACE TECHNOLOGY**

**Space vehicles**  
USE SPACECRAFT

**SPACECRAFT**

UF Space vehicles  
Spacecrafts  
NT AEROSPACE CRAFT

**SPACECRAFT (Con.)**

AEROSPACE PLANES  
COMMUNICATION SATELLITES  
(ACTIVE)  
COMMUNICATION SATELLITES  
(PASSIVE)  
LUNAR CRAFT  
MANNED SPACECRAFT  
METEOROLOGICAL SATELLITES  
NAVIGATION SATELLITES  
SATELLITES (ARTIFICIAL)  
SPACE CAPSULES  
SPACE STATIONS  
RT AIRCRAFT  
LAUNCH VEHICLES (AEROSPACE)  
RE-ENTRY VEHICLES

**SPACECRAFT CABINS**

UF Spaceship cabins  
**Spaceship cabins**  
USE SPACECRAFT CABINS

**Spaceships**

USE SPACECRAFT

**SPARK IGNITION**

BT IGNITION  
RT IGNITION SYSTEMS

**SPARKS**

BT ELECTRIC CURRENTS  
ELECTRIC DISCHARGES  
ELECTRICITY  
RT ELECTRIC ARCS

**SPECIAL FUNCTIONS (MATHEMATICAL)**

UF Boltzman H-functions  
Boolean functions  
Borel functions  
Boussinesq-Papkovich stress function  
Cicula functions  
Dirac delta functions  
E-functions  
Error functions  
Exponential functions  
Gamma functions  
Hankel functions  
Hermite functions  
Hyperbolic functions  
Hypergeometric functions  
Inverse hyperbolic functions  
Kummer functions  
Laguerre functions  
Legendre coefficients  
Legendre functions  
MacRobert's E-functions  
Mathieu's function  
Newman's function  
O-functions  
Spherical harmonics  
Spherical wave functions  
Whittaker functions  
Zeta function

**SPECIAL PURPOSE COMPUTERS**

BT COMPUTERS  
NT BOMBING COMPUTERS  
NAVIGATION COMPUTERS  
RADAR RANGE COMPUTERS  
RT ANALOG COMPUTERS  
ANALOG-DIGITAL COMPUTERS  
DIGITAL COMPUTERS  
FLIGHT SIMULATORS  
SIMULATION

**SPECIFIC HEAT**

RT HEAT OF FUSION

**SPECIFIC IMPULSE**

**SPECIFICATIONS**

RT MILITARY REQUIREMENTS

**Spectacle frames**

USE EYEGLASSES

**SPECTRA (INFRARED)**

**SPECTRA (VISIBLE & ULTRAVIOLET)**

**Spectrometers**

USE SPECTRUM ANALYZERS

**SPECTROPHOTOMETERS**

BT OPTICAL INSTRUMENTS  
PHOTOMETERS  
SPECTRUM ANALYZERS  
NT INFRARED  
SPECTROPHOTOMETERS

**SPECTROSCOPY**

NT INFRARED SPECTROSCOPY  
MICROWAVE SPECTROSCOPY  
RADIOFREQUENCY  
SPECTROSCOPY  
ULTRAVIOLET SPECTROSCOPY  
RT COLORIMETRY  
ELECTRON MICROSCOPY

FREQUENCY  
OPTICAL ANALYSIS  
OPTICAL EQUIPMENT  
OPTICAL INSTRUMENTS

**SPECTRUM ANALYZERS**

UF Spectrometers  
BT OPTICAL INSTRUMENTS  
NT INFRARED  
SPECTROPHOTOMETERS  
SPECTROPHOTOMETERS  
RT INTERFEROMETERS  
PHOTOMETERS

**SPEECH**

RT LANGUAGE  
VERBAL BEHAVIOR  
VOCABULARY

**SPEECH RECOGNITION**

(Ability of a man or machine to interpret or detect speech characteristics or patterns)

**SPEECH REPRESENTATION**

UF Phonetics

**SPEECH TRANSMISSION**

**SPEECHES**

**Speed**

USE VELOCITY

**Speed brake flaps**

USE AIR BRAKE FLAPS

**SPEED REGULATORS**

UF Constant-speed drives  
Governors  
RT CONTROL SYSTEMS

**SPHERES**

BT BODIES OF REVOLUTION  
GEOMETRIC FORMS

RT BLUNT BODIES  
CURVED PROFILES  
HEMISPHERICAL SHELLS  
OGIVES

**Spherical harmonics**

USE SPECIAL FUNCTIONS (MATHEMATICAL)

**Spherical wave functions**

USE SPECIAL FUNCTIONS (MATHEMATICAL)

**SPIN**

BT MOTION  
ROTATION  
RT CENTRIFUGAL FIELDS  
VELOCITY

**SPINAL COLUMN**

UF Spine  
Vertebrae  
BT MUSCULOSKELETAL SYSTEM  
RT JOINTS (PHYSIOLOGY)  
SKELETON

**SPINAL CORD**

BT CENTRAL NERVOUS SYSTEM  
NERVES  
NERVOUS SYSTEM  
RT AUTONOMIC NERVOUS SYSTEM  
NERVE CELLS

**Spine**

USE SPINAL COLUMN

**SPINNERS**

RT FARRINGS

**Spinner connection**

USE DIFFERENTIAL GEOMETRY

**SPINAL ANTENNAS**

BT ANTENNA CONFIGURATIONS  
ANTENNAS

**SPLEEN**

RT BLOOD  
BONE MARROW  
RETICULOENDOTHELIAL SYSTEM

**SPLIT FLAPS**

UF Fowler flaps  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
FLAPS  
TRAILING CONTROL SURFACES  
RT ELEVATORS  
SLOTTED FLAPS

**Spin-onde magnets**

USE MAGNETRONS

**SPOILERS**

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
RT FLAPS  
LEADING EDGE FLAPS

**Sponge plastics**

USE EXPANDED PLASTICS

**SPORES**

UF Anaerobic spores  
Sporogenesis  
Sporulation  
RT BACTERIA

**Sporogenesis**

USE SPORES

**Sporulation**

USE SPORES

**Spotlights**

USE LIGHTING EQUIPMENT

**SPRAY NOZZLES**

BT NOZZLES  
RT CONICAL NOZZLES

**SPRAY TANKS**

UF Chemical spray tanks  
BT CONTAINERS  
TANKS (CONTAINERS)

**SPRAYS**

BT FLUID FLOW  
FLUIDS  
PARTICLES  
RT AEROSOLS  
ATOMIZATION  
DROPS  
LIQUIDS  
WATER ENTRY  
WATER IMPINGEMENT

**SPRINGS**

UF Wooden springs  
NT HELICAL SPRINGS

**SPRINKLERS**

RT FIRE EXTINGUISHERS  
FIRE SAFETY

**Square root method**

USE NUMERICAL METHODS AND PROCEDURES

**Squibs**

USE EXPLOSIVE INITIATORS

**Squirrels**

USE RODENTS

**SS**

USE SUBMARINES

**SS7**

USE SUPERSONIC TRANSPORTS

**STABILITY**

**Stability (Longitudinal)**

USE PITCH (MOTION)

**Stability criteria**

USE DIFFERENTIAL EQUATIONS

**STABILIZATION**

(Alteration of variables in a system to achieve STABILITY for equipment used in produce this alteration and STABILIZATION systems)

**STABILIZATION SYSTEMS**

UF A-1 stabilizers  
Equilibrium  
Stabilizers  
NT GYRO STABILIZERS  
STABILIZERS (HORIZONTAL TAIL SURFACE)  
VOLTAGE REGULATORS  
RT FLIGHT CHARACTERISTICS

**Stabilizers**

USE STABILIZATION SYSTEMS  
RT FINS  
FLAPS

**STABILIZERS (HORIZONTAL TAIL SURFACES)**

UF Tailplanes  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
STABILIZATION SYSTEMS  
RT FINS  
TAILS (AIRCRAFT)  
TRAILING CONTROL SURFACES

**STABILIZERS (VERT TAIL SURFACES)**

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
RT FINS  
TAILS (AIRCRAFT)  
TRAILING CONTROL SURFACES

**Stadiometers**

RT OPTICAL SIGHTS

**STAGNATION POINT**

UF Stagnation pressure

**Stagnation pressure**

USE STAGNATION POINT

**STAINLESS STEEL**

BT ALLOYS  
IRON ALLOYS  
STEEL

**Stakes**

USE ANCHORS (STRUCTURAL)

**Stall control flaps**

USE FLAPS

**STALL-WARNING INDICATORS**

BT FLIGHT INSTRUMENTS  
FLIGHT SPEED INDICATORS  
WARNING SYSTEMS  
RT AIRSPEED INDICATORS  
HORIZONTAL INDICATORS  
MACHMETERS  
RATE-OF-CLIMB INDICATORS  
VERTICAL INDICATORS  
YAWMETERS

**STALLING**

(The loss of effectiveness of surfaces or vehicles in fluid streams that is caused by operation at an angle of attack greater than that corresponding to maximum lift)

**STANDARDIZATION**

RT CALIBRATION

**STANDARDS**

RT ACCEPTABILITY  
MILITARY REQUIREMENTS  
QUALITY CONTROL  
TOLERANCES (MECHANICS)

**STANDING-WAVE INDICATORS**

RT FREQUENCY ANALYZERS

**STANDING-WAVE RATIOS**

RT ACOUSTIC PROPERTIES

**Stapes**

USE EAR

**STAR TRACKERS**

BT CELESTIAL GUIDANCE  
GUIDANCE

RT TERMINAL GUIDANCE

**STARS**

NT SUN

**Starter cartridges**

USE ENGINE STARTERS

**STARTING**

RT ENGINE STARTERS

**STARVATION**

UF Food deprivation

RT METABOLISM

**State-of-the-art studies**

USE REVIEWS

**STATIC DISCHARGERS**

(Devices usually of rubber-covered cloth that discharge static electricity as from moving vehicles or aircraft etc.)

RT LIGHTNING ARRESTERS

**STATIC ELECTRICITY**

UF Surface charge  
BT ELECTRICITY  
RT ATMOSPHERIC ELECTRICITY  
ATMOSPHERIC ELECTROSTATICS  
LIGHTNING

**Static tests**

USE CAPTIVE TESTS

**Static tubes**

USE PRESSURE GAGES

**STATICS**

BT MECHANICS  
NT AEROSTATICS  
HYDROSTATICS  
RT FLUID MECHANICS

**Stationary processes**

USE STATISTICAL PROCESSES

**STATISTICAL ANALYSIS**

UF Confidence limits  
Endurance time (aerodynamic)  
Equilibrium aerodynamics  
Extrapolation  
Flow graphs  
Hazardous models  
Hazardous statistics  
Mean-Whitney statistics  
Monte Carlo  
Multiple correlation  
Multiple regression  
Multivariate analysis  
Multivariate interpolation  
Nonparametric statistics  
OC (operating characteristic)  
Pearson parameter

**STATISTICAL ANALYSIS (Con)**

Polynomials  
Quadratic method  
Ranking methods  
Scale theory  
Sensitivity experiments  
Shippage problem  
Sminov moments  
Sminov statistics  
Statistical decision theory  
Statistical ecology  
Student's hypothesis  
Univariate analysis  
Wilcoxon's statistic

NT CORRELATION TECHNIQUES  
RT ANALYSIS OF VARIANCE

**STATISTICAL DATA**  
*Statistical decision theory*  
USE STATISTICAL ANALYSIS

**STATISTICAL DISTRIBUTIONS**  
UF Bernoulli distribution  
De Moivre distributions

*Statistical ecology*  
USE STATISTICAL ANALYSIS

**STATISTICAL FUNCTIONS**  
UF Autocorrelation functions  
Autocovariance functions  
Correlation coefficients  
Correlation functions  
Cumulative frequency functions  
Distribution functions  
Pearson's type iii functions  
Random functions

RT CORRELATION TECHNIQUES

**STATISTICAL PROCESSES**  
UF Birth and death process (Math)  
Gaussian processes  
Gaussian vector process  
Markov process  
Ornstein-Uhlenbeck process  
Poisson process  
Renewal process  
Robbins-Monro process  
Stationary processes

**STATISTICAL TESTS**  
UF Chi square test  
Cramer-Sminov test  
Distribution-free tests  
Null hypothesis test  
T test  
WAGR test  
Wald's sequential tests

**STEAM**

BT VAPORS  
WATER

RT WATER VAPOR

**STEEL**

UF Steel wire  
BT ALLOYS  
IRON ALLOYS

NT STAINLESS STEEL

**Steel wire**

USE STEEL  
and WIRE

**Stekloff problem**

USE PARTIAL DIFFERENTIAL  
EQUATIONS

**Stellate ganglion**

USE GANGLIA

**STEREOSCOPIC DISPLAY SYSTEMS**

UF Three-dimensional display systems  
BT COMMUNICATION EQUIPMENT  
DISPLAY SYSTEMS

RT CATHODE RAY TUBES

**Stereoscopic vision**

USE SPACE PERCEPTION

**Sterilizers**

USE MEDICAL EQUIPMENT

**STERIODS**

UF Cholesterol  
BT LIPIDS  
NT CHOLESTEROL

**Sticks (Aeronautics)**

USE CONTROL STICKS

**Stieltjes integrals**

USE INTEGRALS

**STIFFENED CYLINDERS**

BT BODIES OF REVOLUTION  
CYLINDRICAL BODIES  
GEOMETRIC FORMS

RT STRUCTURAL SHELLS

**Stimulants (cns)**

USE CNS STIMULANTS

**STIMULATION**

(To evoke or increase the functional  
activity of a tissue)

RT PERCEPTION

**Stings**

USE SUPPORTS

**Stochastic difference equations**

USE DIFFERENCE EQUATIONS

**STOCHASTIC PROCESSES**

(Mathematical system that studies a  
probabilistic structure developed in a  
sequential pattern)

RT OPERATIONS RESEARCH  
PROBABILITY

**Stochastic sampling**

USE MONTE CARLO METHOD

**Stock gases**

USE WASTE GASES

**STOL**

USE SHORT TAKE-OFF PLANES

**STOMACH**

BT GASTROINTESTINAL SYSTEM

**Stones**

USE ROCK (GEOLOGY)

**Stop watches**

USE CLOCKS

**STORAGE**

RT COMPATIBILITY  
CONTAINERS  
HANDLING  
SUPPLY DEPOTS  
WAREHOUSES

**STORAGE TANKS**

UF Fuel storage tanks  
BT CONTAINERS  
TANKS (CONTAINERS)

RT FUEL TANKS  
OIL TANKS  
TANK VENTS  
WATER TANKS

**STORAGE TUBES**

BT COMPUTER STORAGE DEVICES  
ELECTRON TUBES

RT CATHODE RAY TUBES

**STORMS**

ST ATMOSPHERIC MOTION  
METEOROLOGICAL PHENOMENA

NT THUNDERSTORMS  
TORNADOES  
TROPICAL CYCLONES

RT CYCLONES  
GUSTS  
WIND

**Stoves**

USE HEATERS

**Strafing sleds**

USE SURFACE TARGETS

**STRAIN (MECHANICS)**

BT MECHANICAL PROPERTIES

**STRAIN GAGES**

RT EXTENSOMETERS  
PRESSURE GAGES

**Stranded conductors**

USE ELECTRIC CABLES

**STRATEGIC AIR COMMAND**

BT AIR FORCE  
ARMED FORCES (UNITED  
STATES)  
MILITARY ORGANIZATIONS

RT AIR DEFENSE COMMAND

**STRATEGIC BOMBING**

BT BOMBING  
RT AIR FORCE OPERATIONS

**STRATOSPHERE**

(Above the tropopause and below the  
stratopause)

BT ATMOSPHERE  
RT TROPOSPHERE

**STRATUS CLOUDS**

BT CLOUDS

**STREPTOCOCCUS**

BT BACTERIA

**STRESS (PHYSIOLOGY)**

(Failure of an organism to adapt  
satisfactorily to a physical or  
chemical condition and the  
physiological tension resulting  
therefrom)

RT ADAPTATION (PHYSIOLOGY)  
BLACKOUT (PHYSIOLOGY)  
CONCUSSION  
SHOCK (PATHOLOGY)

**STRESS (PSYCHOLOGY)**

(Failure of an individual to adapt  
satisfactorily to an emotional factor  
and the psychological tensions  
resulting therefrom)

BT ABNORMAL PSYCHOLOGY  
NT SENSORY DEPRIVATION  
RT ANXIETY  
CONFINED ENVIRONMENTS  
EMOTIONS  
PSYCHOLOGY

**STRESSES**

BT MECHANICAL PROPERTIES  
NT SHEAR STRESSES  
THERMAL STRESSES

RT ELASTICITY  
EXTENSOMETERS  
PHOTOELASTICITY

**Stretchers**

USE MEDICAL EQUIPMENT

**Strip solution**

USE PARTIAL DIFFERENTIAL  
EQUATIONS

**STROBE LIGHTS**

(Devices where light is intermittently  
on and off in a progressive manner,  
thus giving a directional indication,  
e.g., in airfield approaches.)

BT NAVIGATIONAL LIGHTS  
RT APPROACH LIGHTS  
BEACON LIGHTS  
SIGNAL LIGHTS

**Struct ideals**

USE ALGEBRA

**Structural analysis**

USE MATHEMATICAL ANALYSIS  
and STRUCTURES

**Structural cements**

USE CEMENTS

**STRUCTURAL PARTS**

NT AIRPLANE PANELS  
ANCHORS (STRUCTURAL)  
FLANGES  
HONEYCOMB CORES  
METAL PLATES  
MOUNTING BRACKETS  
PANELS (STRUCTURAL)  
RODS  
SANDWICH PANELS  
STRUCTURAL SHELLS  
TRANSPARENT PANELS  
RT BEAMS (STRUCTURAL)  
FILAMENT WOUND  
CONSTRUCTION  
GEOMETRIC FORMS  
JOINTS  
REINFORCING MATERIALS

**STRUCTURAL PROPERTIES**

RT CRYSTAL STRUCTURE

**STRUCTURAL SHELLS**

BT GEOMETRIC FORMS  
STRUCTURAL PARTS  
NT ELASTIC SHELLS  
HEMISPHERICAL SHELLS  
RT BODIES OF REVOLUTION  
STIFFENED CYLINDERS

**STRUCTURES**

UF Structural analysis  
NT EXTENDABLE STRUCTURES  
FLEXIBLE COUPLINGS  
FLEXIBLE STRUCTURES  
INFLATABLE STRUCTURES

RT GEOMETRIC FORMS

**Student's hypothesis**

USE STATISTICAL ANALYSIS

**STUDENTS**

UF College students  
BT PERSONNEL  
RT EDUCATION

**Sturm-Liouville theory**

USE PARTIAL DIFFERENTIAL  
EQUATIONS

**Sturm-Liouville transform**

USE INTEGRAL TRANSFORMS

**STYRENE PLASTICS**

UF Polystyrene plastics  
Styrene polymers  
Styrene resins

BT PLASTICS

**Styrene polymers**

USE STYRENE PLASTICS

**Styrene resins**

USE STYRENE PLASTICS

**Subject analysis**

USE SUBJECT INDEXING

**Subject headings**

USE SUBJECT INDEXING

**SUBJECT INDEXING**

UF Subject analysis  
Subject headings  
BT DOCUMENTATION  
RT CATALOGS  
CLASSIFICATION  
INDEXES

**SUBLIMATION**

UF Vaporization of solids  
RT ABLATION  
VAPORIZATION

**SUBMARINE PERSONNEL**

BT MILITARY PERSONNEL  
NAVAL PERSONNEL

**Submarine rescue chambers**

USE SEA RESCUE EQUIPMENT

**SUBMARINE SIMULATORS**

BT SIMULATION

**SUBMARINES**

UF SS

**SUBMINIATURE ELECTRONIC EQUIPMENT**

BT ELECTRONIC EQUIPMENT  
RT MICROMINIATURIZATION  
(ELECTRONICS)  
MINIATURE ELECTRONIC  
EQUIPMENT  
MOLECULAR ELECTRONICS

**SUBSONIC AIRFOILS**

BT AERODYNAMIC CONFIGURATIONS  
AIRFOILS

**SUBSONIC CHARACTERISTICS**

BT AERODYNAMIC  
CHARACTERISTICS  
FLUID DYNAMIC PROPERTIES

**SUBSONIC FLIGHT**

BT FLIGHT

**SUBSONIC FLOW**

BT FLUID FLOW  
GAS FLOW

**SUBSONIC NOZZLES**

BT NOZZLES  
RT CONICAL NOZZLES  
EXHAUST NOZZLES  
GAS TURBINE NOZZLES

**SUBSONIC WIND TUNNELS**

BT WIND TUNNELS

**Substances**

USE MATERIALS

**SUBSTITUTES**

*Successive intervals method*

USE FACTOR ANALYSIS

**SUCROSE**

BT CARBOHYDRATES

**SUCTION SLOTS**

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC SLOTS

RT BOUNDARY LAYER CONTROL

**Suits**

USE PROTECTIVE CLOTHING

**SULFIDES**

RT SULFUR

**SULFUR**

BT GROUP VI ELEMENTS  
NON-METALS

RT SULFIDES

**Sulfur dyes**

USE DYES

**Summaries**

USE ABSTRACTS

**SUN**

BT STARS

**Sunglasses**

USE EYEGLASSES

**Sunlight**

USE LIGHT

**SUNSPOTS**

BT SOLAR DISTURBANCES  
RT SOLAR FLARES

**Supercharger diffusers**

USE DIFFUSERS

**Supercharger impellers**

USE IMPELLERS

**SUPERCONDUCTIVITY**

BT CONDUCTIVITY  
ELECTRICAL CONDUCTANCE  
ELECTRICAL PROPERTIES

RT CRYOGENIC STORAGE DEVICES  
CRYOGENICS  
MAGNETIC FIELDS  
RESISTANCE (ELECTRICAL)  
SUPERCONDUCTORS

**SUPERCONDUCTORS**

RT SUPERCONDUCTIVITY

**SUPERHIGH FREQUENCY**

(3 000 to 30 000 mc)

BT FREQUENCY

MICROWAVE FREQUENCY

RADIOFREQUENCY

NT C BAND

X BAND

**Superlow frequency**

USE EXTREMELY LOW FREQUENCY

**SUPERSONIC AIRFOILS**

BT AERODYNAMIC CONFIGURATIONS

AIRFOILS

**SUPERSONIC CHARACTERISTICS**

BT AERODYNAMIC

CHARACTERISTICS

FLUID DYNAMIC PROPERTIES

**Supersonic delay lines**

USE DELAY LINES

**SUPERSONIC DIFFUSERS**

BT DIFFUSERS

RT EXHAUST DIFFUSERS

WIND TUNNEL NOZZLES

**SUPERSONIC FLIGHT**

BT FLIGHT

**SUPERSONIC FLOW**

BT GAS FLOW

**SUPERSONIC NOZZLES**

BT NOZZLES

WIND TUNNEL NOZZLES

**SUPERSONIC PLANES**

BT AIRCRAFT

AIRPLANES

NT SUPERSONIC TRANSPORTS

**SUPERSONIC TRANSPORTS**

UF SST

BT AIRCRAFT

SUPERSONIC PLANES

RT JET TRANSPORT PLANES

**SUPERSONIC WIND TUNNELS**

BT WIND TUNNELS

**Supplies**

USE LOGISTICS

**Supply catalogs**

USE CATALOGS

**SUPPLY DEPOTS**

UF Air Force depots

Army depots

BT LOGISTICS

RT ARMED FORCES PROCUREMENT

ARMED FORCES SUPPLIES

ARMY PROCUREMENT

NAVAL EQUIPMENT

NAVAL PROCUREMENT

STORAGE

WAREHOUSES

**SUPPORTS**

UF Columns

Legs (Supports)

Stings

RT MOUNTING BRACKETS

SUSPENSION DEVICES

**SUPPRESSORS**

(Devices used in electric or electronic components or circuits to prevent or reduce undesired actions or currents)

UF Side lobe suppressors

RT ELECTROMAGNETIC SHIELDING

NOISE (RADAR)

NOISE (RADIO)

RADIOFREQUENCY

INTERFERENCE

**SUPPRESSORS (ACOUSTIC)**

(Devices for suppressing aircraft engine noise)

UF Noise suppressors

RT NOISE ABATEMENT

**Suppressors (Vibration)**

USE VIBRATION ISOLATORS

**SURFACE BURST**

RT NUCLEAR EXPLOSIONS

**Surface charge**

USE STATIC ELECTRICITY

**Surface conditions**

USE SURFACE PROPERTIES

**SURFACE PRESSURES**

BT PRESSURE

SURFACE PROPERTIES

**SURFACE PROPERTIES**

UF Interface properties

Physical properties (Surface)

Roughness

Surface conditions

NT ADSORPTION

SURFACE PRESSURES

SURFACE TEMPERATURES

SURFACE TENSION

RT ABSORPTION

ADHESION

BONDING

BOUNDARY LAYER

FRICTION

HARDNESS

SURFACES

WEAR RESISTANCE

**SURFACE TARGETS**

UF Bombing sleds

Strating sleds

BT TARGETS

RT AERIAL TARGETS

**SURFACE TEMPERATURES**

BT SURFACE PROPERTIES

TEMPERATURE

**SURFACE TENSION**

UF Interfacial tension

BT SURFACE PROPERTIES

**SURFACE-ACTIVE SUBSTANCES**

(Agents that reduce the surface tension of liquids, usually water, and enable liquids to wet otherwise repellent surfaces)

UF Surfactant

Wetting agents

RT SOAPS

**SURFACE-TO-AIR**

**SURFACE-TO-SURFACE**

**SURFACES**

RT SURFACE PROPERTIES

**Surfactant**

USE SURFACE-ACTIVE SUBSTANCES

**Surgeons**

USE MEDICAL PERSONNEL

**SURGERY**

RT SHOCK (PATHOLOGY)

**Surgical shock**

USE SHOCK (PATHOLOGY)

**Surveillance radar**

USE AIRPORT RADAR SYSTEMS

and SEARCH RADAR

**SURVEYING**

UF Charting

NT MAPPING

RT MAPS

**SURVIVAL**

RT ACCIDENTS

AIR-SEA RESCUES

DISASTERS

RESCUES

SEA RESCUE EQUIPMENT

SEA RESCUES

**SURVIVAL KITS**

RT LIFE RAFTS

SEA RESCUE EQUIPMENT

**Suspension bands**

USE SUSPENSION DEVICES

**SUSPENSION DEVICES**

UF Suspension bands

Suspension lugs

BT FITTINGS

RT COUPLINGS

SUPPORTS

**Suspension lugs**

USE SUSPENSION DEVICES

**SWAMPS**

UF Bogs

Marshes

BT TERRAIN

**SWEEP GENERATORS**

BT TEST EQUIPMENT

(ELECTRONICS)

RT RADIOFREQUENCY GENERATORS

**SWEEP WINGS**

BT AERODYNAMIC CONFIGURATIONS

WINGS

NT SWEEP-BACK WINGS

SWEEP-FORWARD WINGS

RT VARIABLE-SWEEP WINGS

**SWEEP-BACK WINGS**

BT AERODYNAMIC CONFIGURATIONS

SWEEP WINGS

WINGS

RT SWEEP-FORWARD WINGS

**SWEEP-FORWARD WINGS**

BT AERODYNAMIC CONFIGURATIONS

SWEEP WINGS

WINGS

RT SWEEP-BACK WINGS

**SWINE**

UF Hogs

Pigs

BT ANIMALS

MAMMALS

**SWITCHING CIRCUITS**

BT CIRCUITS

RT ELECTRIC SWITCHES

ELECTRONIC SWITCHES

**SYMMETRY**

(CRYSTALLOGRAPHY)

BT CRYSTAL STRUCTURE

NT ANISOTROPY

ISOTROPISM

**Sympathetic nervous system**

USE AUTONOMIC NERVOUS SYSTEM

**SYMPATHOMIMETIC AGENTS**

UF Adrenergic agents

Bronchodilators

BT AUTONOMIC AGENTS

VASOACTIVE AGENTS

NT AMPHETAMINES

EPINEPHRINE

LEVARTERENOL

RT ADRENAL MEDULLA HORMONES

**SYMPOSIA**

UF Forums

Seminars

Workshops

RT CONFERENCES

**Synapse**

USE NERVE CELLS

**Synchro data**

USE SYNCHROS

**Synchro motors**

USE SYNCHROS

**Synchro receivers**

USE SYNCHROS

**SYNCHRONIZATION**

(ELECTRONICS)

**Synchronous demodulators**

USE CORRELATORS

**Synchronous detectors**

USE CORRELATORS

**SYNCHROS**

(For electromechanical systems incorporating feedback see SERVO SYSTEM for linear nonreversible actuating devices, see ACTUATORS)

UF Autosyns

Electromechanical actuators

Microsyns

Selsyns

Synchro data

Synchro motors

Synchro receivers

Telesyns

Torque generators

RT PNEUMATIC SERVOMECHANISMS

SERVOMECHANISMS

TARGET DESIGNATORS

**SYNCOPE**

UF Fainting

RT BLACKOUT (PHYSIOLOGY)

**SYNTHESIS**

**Synthetic gems**

USE SYNTHETIC STONES

**Synthetic nucleosides**

USE NUCLEOSIDES

**SYNTHETIC RUBBER**

UF Neoprene

Thiokol

BT ELASTOMERS

RT ISOCYANATE PLASTICS

RUBBER

**SYNTHETIC STONES**

UF Synthetic gems

BT MINERAL PRODUCTS

**Synthetic functions**

USE FUNCTIONS

**Syringes**

USE MEDICAL EQUIPMENT

**SYSTEMS ENGINEERING**

BT ENGINEERING

RT OPERATIONS RESEARCH

**Szondi test**

USE PROJECTIVE TECHNIQUES

**T**

**T test**

USE STATISTICAL TESTS

**TABLES**

UF Tabulated data

**Tabls**

USE TRIM TABS

**Tabulated data**

USE TABLES

**TACHISTOSCOPES**

**TACHOMETERS**

BT METERS

**Tackles**

USE HOISTS

**TACTICAL AIR COMMAND**

BT AIR FORCE

MILITARY ORGANIZATIONS

**TACTICAL**

# TARGET ANGLE

## TARGET ANGLE

### TARGET DESIGNATORS

(Systems for designating to one instrument targets that have already been located by a second instrument, usually by means of electrical data transmitters and receivers that indicate on one instrument the pointing of another.)

- BT TRACKING
- NT OPTICAL TARGET DESIGNATORS
- RT FIRE CONTROL SYSTEMS
- OPTICAL TRACKING
- RADAR TRACKING
- SYNCHROS
- TARGET POSITION INDICATORS

### TARGET DISCRIMINATION

#### TARGET DRONES

- BT AIRCRAFT
- DRONES
- RT AERIAL TARGETS

#### Target position finding

USE POSITION FINDING

### TARGET POSITION INDICATORS

- BT POSITION FINDING
- TRACKING
- RT DETECTION
- PLAN POSITION INDICATORS
- TARGET DESIGNATORS

### TARGET RECOGNITION

- BT DETECTION
- RT DETECTORS
- IDENTIFICATION SYSTEMS
- POSITION FINDING
- RANGES (DISTANCE)
- TRACKING

#### Target seekers

USE HOMING DEVICES

### TARGETS

- NT AERIAL TARGETS
- RADAR TARGETS
- SURFACE TARGETS

#### Task analysis

USE JOB ANALYSIS

#### Tauberian series

USE SERIES

#### Tauberian theorem

USE SERIES

### TAXING

- UF Turnoff
- RT TAXIWAYS

### TAXIWAYS

- RT APRONS
- RUNWAYS
- TAXING

### TAYLORS SERIES

UF Power series

### Teachers

USE INSTRUCTORS

### Teaching

USE EDUCATION

### TEACHING MACHINES

- RT MACHINE TRANSLATION

### TECHNIQUES

#### TECHNOLOGICAL INTELLIGENCE

- UF Intelligence (Technological)
- Scientific intelligence
- RT MILITARY INTELLIGENCE

### TEETH

- UF Dental plaques
- Dentine
- RT MASTICATION
- MOUTH

#### Teflon

USE HALOCARBON PLASTICS

### TELEGRAPH EQUIPMENT

#### TELEGRAPH SIGNALS

- BT SIGNALS

### TELEMETER SYSTEMS

- BT COMMUNICATION SYSTEMS

### TELEMETERING DATA

#### TELEMETERING RECEIVERS

#### TELEMETERING TRANSMITTERS

- RT RADIOSONDES

#### Telephone cables

USE TELEPHONE LINES

### TELEPHONE COMMUNICATION

#### SYSTEMS

- UF Telephone systems
- BT COMMUNICATION SYSTEMS
- NT MULTICHANNEL TELEPHONE
- SYSTEMS

- RT FIELD WIRE COMMUNICATION
- SYSTEMS
- TELETYPE SYSTEMS
- VOICE COMMUNICATION
- SYSTEMS

### TELEPHONE EQUIPMENT

- UF Telephone repeaters
- BT COMMUNICATION EQUIPMENT
- NT TELEPHONE LINES

### TELEPHONE LINES

- UF Telephone cables
- BT COMMUNICATION EQUIPMENT
- TELEPHONE EQUIPMENT

#### Telephone repeaters

USE TELEPHONE EQUIPMENT

#### Telephone systems

USE TELEPHONE COMMUNICATION

### TELESCOPES

- BT OPTICAL EQUIPMENT

#### Telesays

USE SYNCHROS

#### Teletype equipment

USE TELETYPE SYSTEMS

### TELETYPE SYSTEMS

- UF Teletype equipment
- BT COMMUNICATION SYSTEMS
- NT RADIO TELETYPE SYSTEMS
- RT TELEPHONE COMMUNICATION
- SYSTEMS

### TELEVISION ANTENNAS

- BT ANTENNAS
- TELEVISION EQUIPMENT

### TELEVISION CAMERAS

- BT COMMUNICATION EQUIPMENT
- TELEVISION EQUIPMENT

- RT ICONOSCOPES

TELEVISION STATIONS

### TELEVISION COMMUNICATION

- SYSTEMS
- BT COMMUNICATION SYSTEMS
- NT COLOR TELEVISION

### TELEVISION CONVERTERS

- BT COMMUNICATION EQUIPMENT
- TELEVISION EQUIPMENT

### TELEVISION DISPLAY SYSTEMS

- BT COMMUNICATION EQUIPMENT
- DISPLAY SYSTEMS
- TELEVISION EQUIPMENT
- RT CATHODE RAY TUBES
- TELEVISION RECEIVERS

### TELEVISION EQUIPMENT

- BT COMMUNICATION EQUIPMENT
- NT TELEVISION ANTENNAS
- TELEVISION CAMERAS
- TELEVISION CONVERTERS
- TELEVISION DISPLAY SYSTEMS
- TELEVISION RECEIVERS
- TELEVISION STATIONS
- TELEVISION TRANSMITTERS
- RT COLOR TELEVISION
- VIDEO FILTERS

#### Television pickup tubes

USE ICONOSCOPES

### TELEVISION RECEIVERS

- UF Video receivers (Television)
- BT COMMUNICATION EQUIPMENT
- TELEVISION EQUIPMENT
- RT TELEVISION DISPLAY SYSTEMS

### TELEVISION STATIONS

- BT COMMUNICATION SYSTEMS
- TELEVISION EQUIPMENT
- RT TELEVISION CAMERAS
- TELEVISION TRANSMITTERS

### TELEVISION TRANSMITTERS

- BT COMMUNICATION EQUIPMENT
- TELEVISION EQUIPMENT
- RT TELEVISION STATIONS

### TEMPERATURE

- NT ATMOSPHERIC TEMPERATURE
- SURFACE TEMPERATURES
- TRANSITION TEMPERATURE

### TEMPERATURE COEFF. OF

#### REACTIVITY

### TEMPERATURE CONTROL

- NT CRYOSTATS
- THERMOSTATS
- RT CONTROL SYSTEMS
- TEMPERATURE SENSITIVE
- ELEMENTS
- TEMPERATURE-WARNING
- SYSTEMS

### TEMPERATURE INVERSION

- BT METEOROLOGICAL PHENOMENA

### TEMPERATURE SENSITIVE

#### ELEMENTS

- NT THERMISTORS
- THERMOCOUPLES
- RT CALORIMETERS
- TEMPERATURE CONTROL
- THERMOMETERS
- THERMOSTATS

### TEMPERATURE-WARNING

#### SYSTEMS

- BT WARNING SYSTEMS
- RT TEMPERATURE CONTROL
- TENSILE PROPERTIES
- UF Tensile strength
- BT MECHANICAL PROPERTIES
- RT COMPRESSIVE PROPERTIES
- DEFORMATION
- ELASTICITY

#### Tensile strength

USE TENSILE PROPERTIES

#### Terbium compounds

USE RARE EARTH COMPOUNDS

### TERMINAL FLIGHT FACILITIES

- NT AIRPORT CONTROL TOWERS
- AIRPORTS
- APPROACH LIGHTS
- APRONS
- FLIGHT SERVICE STATIONS
- HELIPORTS
- LANDING AIDS
- LANDING FIELDS
- LANDING MATS
- RUNWAYS

- RT AIR ROUTE TRAFFIC CONTROL

- CENTERS
- AIR TRAFFIC
- AIR TRAFFIC CONTROL SYSTEMS
- ALL-WEATHER AVIATION
- ATC TERMINAL AREA
- AVIATION SAFETY
- CARRIER-CONTROLLED
- APPROACH RADAR
- CIVIL AVIATION
- GROUND-CONTROLLED
- APPROACH RADAR
- LANDING
- RADAR LANDING CONTROL
- TAKE-OFF

### TERMINAL GUIDANCE

- BT GUIDANCE
- NT GLIDE-PATH SYSTEMS
- HOMING DEVICES
- LIGHT HOMING
- RADIO HOMING
- RT MAGNETIC GUIDANCE
- STAR TRACKERS

### TERMINAL GUIDANCE SYSTEMS

- RT AUTOMATIC NAVIGATORS
- GROUND-CONTROLLED
- APPROACH RADAR
- INERTIAL GUIDANCE
- INTERCEPTION
- NAVIGATION COMPUTERS

### TERRAIN

- UF Topography
- NT DESERTS
- JUNGLES
- MOUNTAINS
- SWAMPS

### TERRAIN AVOIDANCE

### TERRESTRIAL MAGNETISM

- UF Geomagnetism
- BT MAGNETISM
- NT MAGNETIC STORMS
- RT AURORAE
- VAN ALLEN RADIATION BELT

### TEST CONSTRUCTION

#### (PSYCHOLOGY)

### TEST EQUIPMENT

- UF Testing equipment
- RT TEST SETS
- VIBRATORS (MECHANICAL)

### TEST EQUIPMENT

- (ELECTRONICS)
- NT NOISE ANALYZERS
- OSCILLOSCOPES
- SIGNAL GENERATORS
- SWEEP GENERATORS
- RT ELECTRON TUBES
- ELECTRONIC SWITCHES
- FREQUENCY ANALYZERS
- INVERTER CIRCUITS
- MEASURING DEVICES (ELECT
- AND ELECTRIC)
- TEST SETS

### TEST FACILITIES

- NT ALTITUDE CHAMBERS

### TRACKS (AERODYNAMICS)

- WIND TUNNELS
- RT LABORATORIES
- RANGES (ESTABLISHMENTS)

### TEST METHODS

- NT CHECKOUT PROCEDURES

### TEST SETS

(Self-contained combinations of equipment used to perform prescribed tests of certain types of electrical and electronic equipment.)

- RT TEST EQUIPMENT

TEST EQUIPMENT

(ELECTRONICS)

### TEST VEHICLES

(Rocket or jet powered craft used in testing components of proposed aircraft or spacecraft.)

- NT RAMJET TEST VEHICLES
- ROCKET-PROPELLED SLEDS
- RT DRONES

#### Testes

USE SEX GLANDS

#### Testing equipment

USE TEST EQUIPMENT

### TESTS

- NT CAPTIVE TESTS
- COLD WEATHER TESTS
- CRASH TESTING
- ENVIRONMENTAL TESTS
- FLIGHT TESTING
- NON-DESTRUCTIVE TESTING
- TROPICAL TESTS

#### Tetany

USE CONVULSIVE DISORDERS

### TETRODES

- BT ELECTRON TUBES

### TEXT BOOKS

### TEXTILES

- UF Fabrics
- NT COTTON TEXTILES
- FIRE-RESISTANT TEXTILES
- GLASS TEXTILES
- METALLIC TEXTILES
- ORLON
- PARACHUTE FABRICS
- SILK
- RT FIBERS
- FIBERS (SYNTHETIC)
- NYLON

#### TFE

USE HALOCARBON PLASTICS

#### Thebaines

USE CNS STIMULANTS

### THEODOLITES

- BT OPTICAL EQUIPMENT
- NT PHOTO THEODOLITES
- RT OPTICAL TRACKING
- RANGES (DISTANCE)

### THEORY

UF Nonlinear theory

#### Therapeutic diet

USE DIET

#### Therapeutic effects

USE THERAPY

### THERAPY

- UF Therapeutic effects
- NT ELECTROTHERAPY
- RT DIET
- MEDICINE
- PARENTERAL INFUSIONS
- PHARMACOLOGY

### THERMAL CONDUCTIVITY

- UF Conductivity (Thermal)
- BT CONDUCTIVITY
- RT HEAT TRANSFER
- THERMAL INSULATION
- THERMOELECTRICITY
- TRANSPORT PROPERTIES

### THERMAL EXPANSION

- RT HEAT TRANSFER
- THERMAL INSULATION

### THERMAL INSULATION

- UF Insulation (Thermal)
- Insulators (Thermal)
- RT ASBESTOS
- HEAT SHIELDS
- HEAT TRANSFER
- THERMAL CONDUCTIVITY
- THERMAL EXPANSION

### THERMAL JOINING

- NT ARC WELDING
- BRAZING
- WELDING
- WELDS
- RT SOLDERING ALLOYS

**THERMAL RADIATION**  
BT HEAT TRANSFER  
NT EMISSIVITY  
RT HEAT  
INFRARED RADIATION  
**THERMAL STRESSES**  
BT MECHANICAL PROPERTIES  
STRESSES  
RT SHEAR STRESSES  
**THERMAL SWITCHES**  
BT ELECTRIC SWITCHES  
**THERMIONIC CONVERTERS**  
BT POWER EQUIPMENT  
**THERMIONIC EMISSION**  
RT FIELD EMISSION  
SECONDARY EMISSION  
SPACE CHARGES  
**THERMISTORS**  
BT RESISTORS  
TEMPERATURE SENSITIVE  
ELEMENTS  
**THERMOCHEMISTRY**  
BT CHEMISTRY  
PHYSICAL CHEMISTRY  
**THERMOCOUPLES**  
UF Thermopiles  
BT TEMPERATURE SENSITIVE  
ELEMENTS  
RT THERMOELECTRICITY  
THERMOMETERS  
**THERMODYNAMIC**  
NT ENTHALPY  
ENTROPY  
RT EQUATIONS OF STATE  
FLUID MECHANICS  
HEAT  
NUCLEAR PHYSICS  
PHYSICS  
PLASMA PHYSICS  
**THERMOELECTRICITY**  
BT ELECTRICITY  
RT ELECTROMAGNETIC PROPERTIES  
THERMAL CONDUCTIVITY  
THERMOCOUPLES  
**THERMOMETERS**  
BT METERS  
NT RESISTANCE THERMOMETERS  
VORTEX THERMOMETERS  
RT BOLOMETERS  
CALORIMETERS  
TEMPERATURE SENSITIVE  
ELEMENTS  
THERMOCOUPLES  
**Thermopiles**  
USE THERMOCOUPLES  
**THERMOPLASTICS**  
NT HALOCARBON PLASTICS  
RT ISOCYANATE PLASTICS  
**THERMOSETTING PLASTICS**  
UF Thermosetting resins  
PLASTICS  
NT EPOXY PLASTICS  
PHENOLIC PLASTICS  
POLYESTER PLASTICS  
SILICONE PLASTICS  
RT ISOCYANATE PLASTICS  
**Thermosetting resins**  
USE THERMOSETTING PLASTICS  
**THERMOSTATS**  
BT TEMPERATURE CONTROL  
NT CRYOSTATS  
RT TEMPERATURE SENSITIVE  
ELEMENTS  
**Thiamine**  
USE VITAMIN B COMPLEX  
**Thiazide diuretics**  
USE DIURETICS  
**THICKNESS**  
**THIN FILMS (STORAGE DEVICES)**  
BT COMPUTER STORAGE DEVICES  
RT CRYOGENIC STORAGE DEVICES  
DATA STORAGE SYSTEMS  
SEMICONDUCTING FILMS  
**Thiokol**  
USE SYNTHETIC RUBBER  
**THORAX**  
UF Chest  
Ribs  
BT BODY  
**THORIUM ALLOYS**  
BT ALLOYS  
**Threads**  
USE FIBERS

**Three-dimensional display systems**  
USE STEREOSCOPIC DISPLAY  
SYSTEMS  
**THREE-DIMENSIONAL FLOW**  
(Flow in which fluid undergoes a  
change of direction in two planes.)  
BT FLUID FLOW  
GAS FLOW  
K. FLUID DYNAMIC PROPERTIES  
**THRESHOLDS (PHYSIOLOGY)**  
UF Auditory thresholds  
Olfactory thresholds  
Pain thresholds  
Visual thresholds  
RT ACUITY  
DEAFNESS  
HEARING  
PERCEPTION  
SENSORY MECHANISMS  
**THROAT**  
UF Fauces  
Larynx  
Nasopharynx  
Pharynx  
RT ESOPHAGUS  
RESPIRATORY SYSTEM  
**THRUST**  
BT AERODYNAMIC FORCES  
NT THRUST REVERSE  
RT ACCELERATION  
DOWNWASH  
DRAG  
GROUND EFFECT  
LIFT  
**THRUST AUGMENTOR NOZZLES**  
BT EXHAUST NOZZLES  
NOZZLES  
RT ROCKET MOTOR NOZZLES  
**THRUST METERS**  
BT PRESSURE GAGES  
RT MANOMETERS  
**THRUST REVERSE**  
(Thrust directed opposite to the usual  
direction for braking.)  
UF Negative thrust  
Reverse thrust  
BT THRUST  
**THRUST VECTOR CONTROL  
SYSTEMS**  
BT FLIGHT CONTROL SYSTEMS  
NT JET VANES  
RT ATTITUDE CONTROL SYSTEMS  
CONTROL JETS  
**Thruster cartridges**  
USE CARTRIDGES (PAD)  
**Thrusters**  
USE EXPLOSIVE ACTUATORS  
**Thulium compounds**  
USE RARE EARTH COMPOUNDS  
**Thunderclouds**  
USE CUMULONIMBUS CLOUDS  
**THUNDERSTORMS**  
BT STORMS  
**Thurston's successive intervals**  
USE FACTOR ANALYSIS  
**Thymus gland**  
USE LYMPHATIC SYSTEM  
**THYROID GLAND**  
BT ENDOCRINE GLANDS  
GLANDS  
**Tides (Atmospheric)**  
USE ATMOSPHERIC TIDES  
**Tin propellers**  
USE DUCTED FANS  
**TILT WINGS**  
(Aircraft wings which can be rotated  
through 90 degrees along the lateral  
axis of the aircraft.)  
BT WINGS  
**Timber**  
USE WOOD  
**TIME**  
UF Time modulation  
**Time modulation**  
USE MODULATION  
and TIME  
**TIME-LAG THEORY**  
**Time-lag variables**  
USE PARTIAL DIFFERENTIAL  
EQUATIONS  
**TIMING CIRCUITS**  
BT CIRCUITS  
RT DELAY CIRCUITS

**TIMING DEVICES**  
*Timoshenko beam equation*  
USE DIFFERENTIAL EQUATIONS  
**TIN COMPOUNDS**  
**Tip tanks**  
USE EXTERNAL STORES  
**TIMES**  
RT VEHICLE WHEELS  
**TISSUE CULTURE**  
*Tissue respiration*  
USE OXYGEN CONSUMPTION  
**TISSUES (BIOLOGY)**  
NT BONE  
RT BLOOD  
BODY  
CARDIOVASCULAR SYSTEM  
CELLS (BIOLOGY)  
HISTOLOGY  
MUSCLES  
MUSCULOSKELETAL SYSTEM  
PHYSIOLOGY  
SKELETON  
SKIN  
**TITANIUM**  
BT METALS  
TRANSITION ELEMENTS  
**TITANIUM ALLOYS**  
BT ALLOYS  
**TITANIUM COMPOUNDS**  
BT CHEMICAL COMPOUNDS  
**Tobacco smokes**  
USE SMOKES  
**Toes**  
USE LEGS  
**TOGGLE SWITCHES**  
BT ELECTRIC SWITCHES  
**TOLERANCES (MECHANICS)**  
RT ACCEPTABILITY  
CALIBRATION  
QUALITY CONTROL  
STANDARDS  
**TOLERANCES (PHYSIOLOGY)**  
NT ACCELERATION TOLERANCE  
HEAT TOLERANCE  
RADIATION TOLERANCE  
TOXIC TOLERANCES  
**Topography**  
USE TERRAIN  
**Topological configurations**  
USE TOPOLOGY  
**TOPOLOGY**  
UF Clans  
Dynamical systems (Transformations)  
Homeomorphisms  
Möbius (Mathematics)  
Paracompact spaces  
Peano curve  
Sierpinski curve  
Topological configurations  
Torus action on euclidean space  
Trees (Mathematics)  
**TORNADOES**  
BT ATMOSPHERIC MOTION  
METEOROLOGICAL PHENOMENA  
STORMS  
WIND  
**TORQUE**  
RT VORTICES  
**Torque amplifiers**  
USE SERVOMECHANISMS  
**Torque generators**  
USE SYNCHROS  
**Torsion graphs**  
USE TORSION METERS  
**Torsion balances**  
USE BALANCES  
**TORSION METERS**  
UF Torsion graphs  
BT METERS  
**Torsion products**  
USE ALGEBRA  
**Torus action on euclidean space**  
USE TOPOLOGY  
**Toss bombing computers**  
USE BOMBING COMPUTERS  
**TOUCH**  
UF Tactile perception  
Tactile perception  
BT PERCEPTION  
SENSORY MECHANISMS  
RT ACUITY  
**TOUCHDOWN**  
RT LANDING

**RUNWAYS**  
**TOUGHNESS**  
UF Impact toughness  
BT MECHANICAL PROPERTIES  
**TOWED BODIES**  
UF Drogues  
RT AIR BRAKE FLAPS  
DRAG PARACHUTES  
WATER BRAKES  
**TOWED VEHICLES**  
BT VEHICLES  
RT FUEL TRUCKS  
MAINTENANCE VEHICLES  
PASSENGER VEHICLES  
SLEDS  
SNOW VEHICLES  
TOWING VEHICLES  
**TOWERS**  
UF Pyons (Markers)  
NT RADIO TOWERS  
**TOWING CABLES**  
BT CABLES (MECHANICAL)  
**TOWING PLANES**  
BT AIRCRAFT  
AIRPLANES  
**TOWING VEHICLES**  
BT VEHICLES  
NT AIRCRAFT TRACTORS  
TRACTORS  
RT TOWED VEHICLES  
**TOXIC TOLERANCES**  
UF Atropine tolerance  
Glucose tolerance  
Poison tolerance  
Potassium tolerance  
BT TOLERANCES (PHYSIOLOGY)  
RT DOSAGE  
**TOXICITY**  
RT POISONING  
**TOXINS AND ANTITOXINS**  
UF Antitoxins  
Bacterial toxins  
Endotoxins  
Exotoxins  
Microbial toxins  
BT BIOLOGICAL PRODUCTS  
**TRACER STUDIES**  
RT LABELED SUBSTANCES  
RADIOACTIVE ISOTOPES  
**Tracers (Labeled substances)**  
USE LABELED SUBSTANCES  
**Trachea**  
USE RESPIRATORY SYSTEMS  
**Track test vehicles**  
USE ROCKET-PROPELLED SLEDS  
**TRACK-WHILE-SCAN RADAR**  
BT RADAR  
**TRACKING**  
UF Doppler tracking systems  
Tracking systems  
NT MOVING-TARGET INDICATORS  
OPTICAL TARGET DESIGNATORS  
OPTICAL TRACKING  
RADAR TRACKING  
TARGET DESIGNATORS  
TARGET POSITION INDICATORS  
RT DETECTION  
DETECTORS  
DIRECTION FINDING STATIONS  
IDENTIFICATION SYSTEMS  
PLAN POSITION INDICATORS  
POSITION FINDING  
RANGES (DISTANCE)  
TARGET RECOGNITION  
**Tracking systems**  
USE TRACKING  
**TRACKS (AERODYNAMICS)**  
(Installations primarily for testing  
aerodynamic configurations at  
controlled velocities.)  
BT RANGES (ESTABLISHMENTS)  
TEST FACILITIES  
RT ROCKET-PROPELLED SLEDS  
**TRACTORS**  
BT TOWING VEHICLES  
VEHICLES  
NT AIRCRAFT TRACTORS  
**Trade**  
USE COMMERCE  
**Trade unions**  
USE LABOR UNIONS  
**Trade Name**  
USE PLANTS (BOTANY)

# TRAFFIC

# THESAURUS OF FAA DESCRIPTORS

## TRAFFIC

NT AIR TRAFFIC  
AIRPORT SURFACE TRAFFIC  
RT TRANSPORTATION  
**TRAFFICABILITY**  
(The ability of substances, such as snow and soil to support traffic, including taxing airplanes, moving vehicles, and personnel.)  
RT SOIL MECHANICS  
**TRAILING CONTROL SURFACES**  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
NT AILERONS  
AIR BRAKE FLAPS  
ELEVATORS  
SLOTTED FLAPS  
SPLIT FLAPS  
TRIM TABS  
RT FINS  
FLAPS  
LEADING EDGE  
STABILIZERS (HORIZ TAIL SURFACES)  
STABILIZERS (VERT TAIL SURFACES)  
TRAILING EDGE  
**TRAILING EDGE**  
(The aft edge of an airfoil blade, etc., i.e. the edge over which the flow normally passes last.)  
BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC CONTROL SURFACES  
CONTROL SURFACES  
RT TRAILING CONTROL SURFACES  
**Trainers**  
USE TRAINING DEVICES  
**TRAINING**  
NT INDUSTRIAL TRAINING  
MILITARY TRAINING  
RT LEARNING  
TRAINING DEVICES  
**Training aids**  
USE TRAINING DEVICES  
**TRAINING DEVICES**  
UF Trainers  
Training aids  
NT JET TRAINING PLANES  
RADAR TRAINERS  
TRAINING PLANES  
RT FLIGHT SIMULATORS  
INSTRUCTORS  
MILITARY TRAINING  
MODELS (SIMULATION)  
RADAR TARGET POSITION  
SIMULATORS  
SIMULATION  
TRAINING  
**TRAINING PLANES**  
BT AIRCRAFT  
AIRPLANES  
TRAINING DEVICES  
NT JET TRAINING PLANES  
**TRAJECTORIES**  
NT ASCENT TRAJECTORIES  
FREE-FLIGHT TRAJECTORIES  
ORBITAL TRAJECTORIES  
**Trajectories (Aircraft)**  
USE FLIGHT PATHS  
**Tramways**  
USE CONVEYORS  
**TRANQUILIZERS**  
UF Ateraxics  
Meprobamate  
Psycholeptic agents  
Tranquilizing drugs  
BT CNS DEPRESSANTS  
**Tranquilizing drugs**  
USE TRANQUILIZERS  
**Transcendental equations**  
USE EQUATIONS  
**Transcendental functions**  
USE FUNCTIONS  
**TRANSDUCERS**  
UF Pressure transducers  
NT ELECTROACOUSTIC  
TRANSDUCERS  
HYDROPHONES  
**TRANSDUCERS (ACOUSTIC)**  
NT HYDROPHONES  
**Transfer functions**  
USE FUNCTIONS

## TRANSFER OF TRAINING

RT LEARNING  
**TRANSFER SWITCHES**  
BT ELECTRIC SWITCHES  
RT ROTARY SWITCHES  
**Transfer trays**  
USE CONVEYORS  
**TRANSFORMATIONS**  
RT GRAIN STRUCTURES  
(METALLURGY)  
**TRANSFORMATIONS (MATHEMATICS)**  
UF Baecklund transformations  
Mapping (Mathematics)  
NT CONFORMAL MAPPING  
INTEGRAL TRANSFORMS  
**TRANSFORMERS**  
NT POWER TRANSFORMERS  
SATURABLE REACTORS  
RT CRYSTAL RECTIFIERS  
**TRANSIENTS**  
(Instantaneous surges of current or voltage produced by changes from one steady-state condition to another.)  
**TRANSISTOR AMPLIFIERS**  
BT AMPLIFIERS  
RT MAGNETIC AMPLIFIERS  
PARAMETRIC AMPLIFIERS  
**TRANSISTORS**  
UF Junction transistors  
Point-contact transistors  
BT SEMICONDUCTOR DEVICES  
RT DIODES (SEMICONDUCTOR)  
ELECTRON TUBES  
PHOTOELECTRIC CELLS  
(SEMICONDUCTOR)  
**Transition (Fluid flow)**  
USE BOUNDARY LAYER TRANSITION  
**TRANSITION ELEMENTS**  
BT METALS  
NT CHROMIUM  
COBALT  
MOLYBDENUM  
NICKEL  
NIOBIUM  
TANTALUM  
TITANIUM  
TUNGSTEN  
**TRANSITION FLIGHT**  
(Point of change between vertical and horizontal flight of VTOL airplanes.)  
BT FLIGHT  
RT HOVERING  
**TRANSITION TEMPERATURE**  
BT TEMPERATURE  
NT HEAT OF FUSION  
**Translating machines**  
USE MACHINE TRANSLATION  
**Transmission (Waves)**  
USE WAVE TRANSMISSION  
**Transmission gain**  
USE GAIN  
**TRANSMISSION LINES**  
RT ANTENNA FEEDS  
DELAY LINES  
ELECTRIC CABLES  
ELECTRIC WIRE  
ELECTRICAL NETWORKS  
WAVEGUIDES  
**TRANSMISSIONS**  
RT DRIVE SHAFTS  
GEARS  
**TRANSMITTER-RECEIVERS**  
BT COMMUNICATION EQUIPMENT  
RADIO EQUIPMENT  
RT RADIO COMMUNICATION  
SYSTEMS  
RADIO RECEIVERS  
RADIO TRANSMITTERS  
WALKIE-TALKIES  
**TRANSOCEANIC**  
**TRANSONIC AIRFOILS**  
BT AERODYNAMIC CONFIGURATIONS  
AIRFOILS  
**TRANSONIC CHARACTERISTICS**  
BT AERODYNAMIC  
CHARACTERISTICS  
FLUID DYNAMIC PROPERTIES  
**TRANSONIC FLIGHT**  
BT FLIGHT  
**TRANSONIC FLOW**  
BT GAS FLOW  
**TRANSONIC PLANES**  
BT AIRCRAFT

## AIRPLANES

**TRANSONIC WIND TUNNELS**  
BT WIND TUNNELS  
**TRANSPARENT PANELS**  
BT PANELS (STRUCTURAL)  
STRUCTURAL PARTS  
RT AIRCRAFT CANOPIES  
AIRPLANE PANELS  
**TRANSPIRATION COOLING**  
(Cooling of materials and devices by forcing air through them.)  
BT COOLING  
**TRANSPONDERS**  
(Radio devices that receive interrogating or challenging signals and automatically transmit responses on the same or different frequencies.)  
RT INTERROGATORS  
RANGE FINDING  
**Transport gliders**  
USE GLIDERS  
**TRANSPORT PLANES**  
UF Cargo planes  
BT AIRCRAFT  
AIRPLANES  
NT JET TRANSPORT PLANES  
**TRANSPORT PROPERTIES**  
RT DIFFUSION  
HEAT TRANSFER  
THERMAL CONDUCTIVITY  
VISCOSITY  
**Transport theory**  
USE INTEGRAL EQUATIONS  
**Transport vehicles**  
USE CARGO VEHICLES  
**TRANSPORTATION**  
UF Shipping  
NT AIR TRANSPORTATION  
ARMED FORCES  
TRANSPORTATION  
CARGO  
RAILROADS  
HANDLING  
RT LOGISTICS  
TRAFFIC  
**Traumatic shock**  
USE SHOCK (PATHOLOGY)  
**Traveling-wave amplifiers**  
USE TRAVELING-WAVE TUBES  
**Traveling-wave antennas**  
USE TRAVELING-WAVE TUBES  
**TRAVELING-WAVE TUBES**  
UF Traveling-wave amplifiers  
Traveling-wave antennas  
BT ELECTRON TUBES  
NT BACKWARD-WAVE TUBES  
**TREES**  
UF Osage orange  
BT PLANTS (BOTANY)  
RT FORESTRY  
JUNGLES  
WOOD  
**Trees (Mathematics)**  
USE TOPOLOGY  
**Triamcinolone**  
USE CORTICOSTEROID AGENTS  
**Triangular wings**  
USE DELTA WINGS  
**Tricomi equation**  
USE PARTIAL DIFFERENTIAL  
EQUATIONS  
**Trigeminal nerve**  
USE NERVES  
**TRIGGER CIRCUITS**  
BT CIRCUITS  
RT OSCILLATORS  
RELAXATION OSCILLATORS  
**Triggered gates**  
USE GATES (CIRCUITS)  
**Trigonometric sum**  
USE FOURIER ANALYSIS  
**TRIM**  
(The condition of an aircraft in which it maintains a fixed attitude with respect to the wind axes, the moments about the aircraft axes being in equilibrium.)  
RT ANGLE OF ATTACK  
**TRIM TABS**  
UF Aileron tabs  
Rudder tabs  
Tabs  
BT AERODYNAMIC CONFIGURATIONS

## AERODYNAMIC CONTROL SURFACES

SURFACES  
ATTITUDE CONTROL SYSTEMS  
CONTROL SURFACES  
TRAILING CONTROL SURFACES  
RT ELEVATORS  
**TRIODES**  
UF Twin triodes  
BT ELECTRON TUBES  
**Trip wire flares**  
USE FLARES  
**TROPICAL CYCLONES**  
UF Hurricanes  
Typhoons  
BT ATMOSPHERIC MOTION  
METEOROLOGICAL PHENOMENA  
STORMS  
WIND  
RT CYCLONES  
**TROPICAL REGIONS**  
**TROPICAL TESTS**  
UF Jungle tests  
BT ENVIRONMENTAL TESTS  
TESTS  
**TROPOPAUSE**  
BT ATMOSPHERE  
RT TROPOSPHERE  
**TROPOSPHERE**  
(The portion of the atmosphere from the surface of the earth to the tropopause.)  
BT ATMOSPHERE  
RT STRATOSPHERE  
TROPOPAUSE  
**Tubes**  
USE PIPES  
**Tumors**  
USE NEOPLASMS  
**TUNED AMPLIFIERS**  
BT AMPLIFIERS  
**TUNED CIRCUITS**  
UF Tuning circuits  
BT CIRCUITS  
RT CRYSTAL FILTERS  
**TUNGSTEN**  
BT GROUP VI ELEMENTS  
METALS  
TRANSITION ELEMENTS  
**TUNGSTEN ALLOYS**  
BT ALLOYS  
**TUNGSTEN COMPOUNDS**  
**Tuning circuits**  
USE TUNED CIRCUITS  
**TUNING DEVICES**  
**TUNNEL DIODES**  
UF Esaki diodes  
BT DIODES  
DIODES (SEMICONDUCTOR)  
SEMICONDUCTOR DEVICES  
**Tunnels**  
USE UNDERGROUND STRUCTURES  
**TURBINE BLADES**  
UF Turbine buckets  
NT GAS TURBINE BLADES  
RT IMPELLERS  
ROTOR BLADES  
(TURBOMACHINERY)  
TURBINE STATORS  
TURBINE WHEELS  
**Turbine buckets**  
USE TURBINE BLADES  
**TURBINE STATORS**  
RT IMPELLERS  
TURBINE BLADES  
TURBINE WHEELS  
**TURBINE WHEELS**  
NT GAS TURBINE ROTORS  
COMPRESSOR ROTORS  
IMPELLERS  
TURBINE BLADES  
TURBINE STATORS  
**TURBINES**  
NT AXIAL FLOW TURBINES  
GAS TURBINES  
RT COMPRESSORS  
FANS  
TURBOJET ENGINES  
**TURBO-RAMJET**  
BT JET ENGINES  
RAMJET ENGINES  
TURBOJET ENGINES  
TURBOFAN ENGINES  
TURBOPROPELLER JET ENGINES  
JET ENGINES



**TURBO-RAMJETS (Con)**

- TURBOJET ENGINES
- RT DUCTED FANS
- TURBO RAMJETS
- TURBOPROPELLER JET ENGINES

**TURBOJET ENGINES**

- BT JET ENGINES
- NT TURBO RAMJETS
- TURBOFAN ENGINES
- TURBOPROPELLER JET ENGINES
- RT AFTERBURNERS
- PULSEJET ENGINES
- RAMJET ENGINES
- TURBINES

**TURBOJET EXHAUST NOZZLES**

- BT EXHAUST NOZZLES
- NOZZLES

**TURBOJET INLETS**

- BT JET ENGINE INLETS

**TURBOPROPELLER JET ENGINES**

- BT JET ENGINES
- TURBOJET ENGINES
- RT TURBO RAMJETS
- TURBOFAN ENGINES

**Turbosupercharger blades**

- USE ROTOR BLADES
- (TURBOMACHINERY)

**TURBULENCE**

- UF Atmospheric turbulence
- Turbulent flow
- BT FLUID DYNAMIC PROPERTIES
- RT AREA SUCTION
- ATMOSPHERIC MOTION
- AXIALLY SYMMETRIC FLOW
- BOUNDARY LAYER
- BOUNDARY LAYER CONTROL
- BOUNDARY LAYER TRANSITION
- CAVITATION
- CLEAR AIR TURBULENCE
- DRAG
- FLUID FLOW
- FLUTTER
- GUSTS
- JET MIXING FLOW
- JETS
- SLIPSTREAM
- VORTICES
- WAKE
- WIND

**TURBULENT BOUNDARY LAYER**

- BT BOUNDARY LAYER
- FLUID DYNAMIC PROPERTIES
- FLUID FLOW
- RT BOUNDARY LAYER TRANSITION

**Turbulent flow**

- USE TURBULENCE

**Turf**

- USE GRASSES

**Turn-and-bank indicators**

- USE ATTITUDE INDICATORS

**Turnbuckles**

- USE POSITIONING DEVICES
- (MACHINERY)

**Turnoff**

- USE TAXIING

**TWILIGHT**

- RT SKY BRIGHTNESS

**Twin diodes (Electron tubes)**

- USE DIODES (ELECTRON TUBES)

**Twin diodes (Semiconductor)**

- USE DIODES (SEMICONDUCTOR)

**Twin triodes**

- USE TRIODES

**TWO-DIMENSIONAL FLOW**

- BT FLUID FLOW
- GAS FLOW
- RT FLUID DYNAMIC PROPERTIES

**Tympanic cavity**

- USE EAR

**Tympanic membrane**

- USE EAR

**TYPEWRITERS**

- RT INK
- PRINTING

**Typhoons**

- USE TROPICAL CYCLONES

**Tyrosinase**

- USE OXIDOREDUCTASES

**U**

**ULTRAHIGH FREQUENCY (UHF)**

- UF UHF communication system
- UHF filters

- BT FREQUENCY

- RADIOFREQUENCY

- NT L BAND

**UHF communication systems**

- USE RADIO COMMUNICATION
- SYSTEMS

- and ULTRAHIGH FREQUENCY

**UHF filters**

- USE RADIOFREQUENCY FILTERS

- and ULTRAHIGH FREQUENCY

**Ultralow frequency**

- USE EXTREMELY LOW FREQUENCY

**Ultrasonic delay lines**

- USE DELAY LINES

**ULTRASONIC RADIATION**

- UF Radiation (Ultrasonic)

- Ultrasonics

- BT MECHANICAL WAVES

- SOUND

- RT ACOUSTICS

**Ultrasonics**

- USE ULTRASONIC RADIATION

**ULTRAVIOLET EQUIPMENT**

- NT ULTRAVIOLET FILTERS

**ULTRAVIOLET FILTERS**

- BT FILTERS (ELECTROMAGNETIC

- WAVE)

- OPTICAL EQUIPMENT

- COMPONENTS

- OPTICAL FILTERS

- ULTRAVIOLET EQUIPMENT

- RT PHOTOGRAPHIC FILTERS

**Ultraviolet fire detectors**

- USE FIRE ALARM SYSTEMS

**ULTRAVIOLET RADIATION**

- UF Ultraviolet waves

- BT ELECTROMAGNETIC WAVES

- OPTICAL PHENOMENA

**ULTRAVIOLET SPECTROSCOPY**

- BT SPECTROSCOPY

**Ultraviolet waves**

- USE ULTRAVIOLET RADIATION

**UNDERGROUND EXPLOSIONS**

- BT EXPLOSIONS

- RT NUCLEAR EXPLOSIONS

**UNDERGROUND STRUCTURES**

- UF Tunnels

- RT SHELTERS

**UNDERWATER**

- RT CAVITATION

- WAKE

- WATER ENTRY

**UNDERWATER EQUIPMENT**

- NT HYDROPHONES

- RT SHIP AUXILIARY EQUIPMENT

**Unified field theory**

- USE FIELD THEORY

**UNITED STATES GOVERNMENT**

- UF Congress

- Department of Commerce

- Department of State

- Federal government

- Government (United States)

- NT FEDERAL AVIATION AGENCY

- RT DEPARTMENT OF DEFENSE

- POLITICAL SCIENCE

**Units of radioactivity**

- USE RADIOACTIVITY

**Univalent functions**

- USE FUNCTIONS

**Univariate analysis**

- USE STATISTICAL ANALYSIS

**UNIVERSITIES**

- UF Colleges

**UPDATING (COMPUTERS)**

- (To modify a master file according to
- current information which is often
- contained in a transaction field

- according to a procedure specified
- as part of a data processing activity.)

- RT COMPUTERS

- DATA PROCESSING SYSTEMS

- PROGRAMMING (COMPUTERS)

**Updrafts**

- USE CONVECTION

**Upkeep**

- USE MAINTENANCE

**UPPER ATMOSPHERE**

- (Above the ionosphere.)

- UF Magnetosphere

- BT ATMOSPHERE

**Upper camber**

- USE CAMBER

**URBAN AREAS**

- UF Cities

- Municipalities

- RT POPULATION

**UREA**

**URINE**

- UF Oliguria

- BT BODY FLUIDS

**UTILITY PLANES**

- UF Liaison planes

- BT AIRCRAFT

- AIRPLANES

- RT GENERAL AVIATION AIRCRAFT

**Utility theory**

- USE GAME THEORY

**V**

**V-g recorders**

- USE VERTICAL GUST RECORDERS

**VACUUM APPARATUS**

- (Excludes permanently sealed vacuum
- systems, e.g. vacuum tubes, as well
- as vacuum cleaners and the like.)

- NT VACUUM PUMPS

- VACUUM SEALS

- RT LOW-PRESSURE RESEARCH

**VACUUM PUMPS**

- BT PUMPS

- VACUUM APPARATUS

**VACUUM SEALS**

- UF High vacuum seals

- BT SEALS (STOPPERS)

- VACUUM APPARATUS

**Vagus nerve**

- USE NERVES

**VALUE ENGINEERING**

- (A systematic analysis of a function to
- find the optimum way to satisfy that
- function at a lesser cost.)

**VALVES**

- NT CUT-OFF VALVES

- HYDRAULIC VALVES

- LIQUID METAL PUMPS

- PLUG VALVES

- PNEUMATIC VALVES

**VAN ALLEN RADIATION BELT**

- RT AURORAE

- SPACE ENVIRONMENTAL

- CONDITIONS

- TERRESTRIAL MAGNETISM

**VAN DE GRAAFF GENERATORS**

- BT ELECTROSTATIC GENERATORS

- RT ELECTRIC DISCHARGES

**VANADIUM ALLOYS**

- BT ALLOYS

**VAPOR PLATING**

- BT COATINGS

- FINISHES & FINISHING

- PLATING

**VAPOR PRESSURE**

- BT PRESSURE

- RT HUMIDITY

- VAPORIZATION

**Vapor trails**

- USE CONDENSATION TRAILS

**VAPORIZATION**

- RT ABLATION

- EVAPORATION

- SUBLIMATION

- VAPOR PRESSURE

**Vaporization of solids**

- (Gaseous forms of substances that, at
- ordinary temperature, are solids or
- liquids.)

**VAPORS**

- BT FLUIDS

**GASES**

- NT STEAM

- WATER VAPOR

- RT LIQUIDS

**VARACTOR DIODES**

- (Semiconductor diodes characterized
- by a voltage-sensitive capacitance
- that resides in the space-charge
- region at the surface of
- semiconductor bounded by an
- insulating layer.)

- BT DIODES

- DIODES (SEMICONDUCTOR)



## VEHICLES (Con.)

FUEL TRUCKS  
MAINTENANCE VEHICLES  
PASSENGER VEHICLES  
RECOVERY VEHICLES  
SLEDS  
SNOW VEHICLES  
TOWED VEHICLES  
TOWING VEHICLES  
TRACTORS

## VEINS

BT BLOOD VESSELS  
CARDIOVASCULAR SYSTEM  
RT ARTERIES

## VELOCITY

UF Speed

NT AIRSPEED

FLIGHT SPEEDS

GROUND SPEED

MACH NUMBER

RT ACCELERATION

DECELERATION

MOTION

SPIN

## Veneer

USE PLYWOOD

## VENTILATION

RT COOLING & VENTILATING

EQUIPMENT

LIFE SUPPORT

## VENTILATION DUCTS

BT COOLING & VENTILATING

EQUIPMENT

RT AIR CONDITIONING EQUIPMENT

REFRIGERATION SYSTEMS

TANK VENTS

## Ventricular fibrillation

USE ARRHYTHMIA

## VERBAL BEHAVIOR

BT BEHAVIOR

RT PSYCHOLOGY

SPEECH

## Vertebrae

USE SPINAL COLUMN

## VERTICAL INDICATORS

BT ATTITUDE INDICATORS

FLIGHT INSTRUMENTS

RT HORIZON SCANNERS

HORIZONTAL INDICATORS

STALL-WARNING INDICATORS

## Vertical perception

USE PROPRICEPTION

## VERTICAL STABILITY

USE FLIGHT CHARACTERISTICS

## VERTICAL TAKE-OFF PLANES

UF VTOL

BT AIRCRAFT

AIRPLANES

SHORT TAKE-OFF PLANES

RT AUTOGYROS

CONVERTIBLE AIRPLANES

FLYING PLATFORMS

HELICOPTERS

## VERTICAL-GUST RECORDERS

UF V-g recorders

BT METEOROLOGICAL

INSTRUMENTS

RECORDING DEVICES

RT ANEMOMETERS

WIND

WIND-DIRECTION INDICATORS

## VERTIGO

UF Dizziness

RT PROPRICEPTION

## VERY HIGH FREQUENCY (VHF)

(30 to 300 mc.)

UF VHF communication systems

UHF waves

BT FREQUENCY

RADIOFREQUENCY

## VHF communication systems

USE RADIO COMMUNICATION

SYSTEMS

and VERY HIGH FREQUENCY

## VHF filters

USE RADIOFREQUENCY FILTERS

and VERY HIGH FREQUENCY

## VERY LOW FREQUENCY

## VERY LOW FREQUENCY (VLF)

(3 to 30 kc.)

UF Very low frequency communication

systems

BT FREQUENCY

## VLF communication systems

USE RADIO COMMUNICATION

SYSTEMS

and VERY LOW FREQUENCY

## VESTIBULAR APPARATUS

BT EAR

NT SEMICIRCULAR CANALS

RT MOTION SICKNESS

Vestibular nerve

USE NERVES

Veterinarians

USE MEDICAL PERSONNEL

VIABILITY

## VIBRATION

UF Buzz

BT MECHANICAL WAVES

MOTION

RT DAMPING

OSCILLATION

RESONANCE

## VIBRATION ISOLATORS

UF Flutter suppressors

Insulation (Mechanical)

Suppressors (Vibration)

RT ABSORPTION

Vibration mechanisms

USE VIBRATORS (MECHANICAL)

## VIBRATORS (ELECTRICAL)

RT INVERTER CIRCUITS

## VIBRATORS (MECHANICAL)

UF Vibration mechanisms

RT TEST EQUIPMENT

## VIDEO AMPLIFIERS

BT AMPLIFIERS

RT CRYSTAL VIDEO RECEIVERS

## Video delay lines

USE DELAY LINES

## VIDEO FILTERS

BT FILTERS (ELECTROMAGNETIC

WAVE)

RT TELEVISION EQUIPMENT

## VIDEO NETWORKS

BT NETWORKS

Video receivers (Radar crystal)

USE CRYSTAL VIDEO RECEIVERS

Video receivers (Television)

USE TELEVISION RECEIVERS

## Video relays

USE MICROWAVE RELAY SYSTEMS

## VIDEO SIGNALS

BT SIGNALS

RT RADAR SIGNALS

## VIEWING SCREENS

UF Screens (Viewing)

NT CATHODE RAY TUBE SCREENS

RT DISPLAY SYSTEMS

## Vigilance

USE ATTENTION

## VINYL PLASTICS

BT PLASTICS

## VISCOELASTICITY

RT ELASTICITY

VISCOSITY

## VISCOSITY

RT FLUID FLOW

FLUID MECHANICS

TRANSPORT PROPERTIES

VISCOELASTICITY

## VISIBILITY

BT OPTICAL PROPERTIES

RT ATMOSPHERIC REFRACTION

HAZE

ILLUMINATION

LIGHT TRANSMISSION

METEOROLOGICAL PARAMETERS

REFLECTION

## VISION

UF Anisokonia

Dark adaptation

Light adaptation

Myopia

Night vision

Optical illusions

Sight

Visual after-images

Visual factors

Visual perception

Visual thresholds

PERCEPTION

BT SENSORY MECHANISMS

RT BLINDNESS

COLOR VISION

EYE

FLASHBLINDNESS

VISUAL ACUITY

Vision

USE HELMETS

## VISUAL ACUITY

BT ACUITY

RT VISION

Visual after-images

USE AFTERIMAGES

and VISION

Visual factors

USE VISION

## VISUAL FLIGHT

BT FLIGHT

RT INSTRUMENT FLIGHT

Visual perception

USE VISION

## VISUAL SIGNALS

BT SIGNALS

Visual thresholds

USE THRESHOLDS (PHYSIOLOGY)

and VISION

Vitamin B

USE VITAMIN B COMPLEX

## VITAMIN B COMPLEX

UF Aminobenzoic acid (Para)

Biotin

Cyanocobalamin

Folic acid

Niacin

Nicotinic acid

Pyridoxine

Riboflavin

Thiamine

Vitamin B

## VOCABULARY

BT LANGUAGE

RT DOCUMENTATION

SPEECH

## Vocational tests

USE APTITUDE TESTS

## VOICE COMMUNICATION

SYSTEMS

BT COMMUNICATION SYSTEMS

RT INTERCOMMUNICATION SYSTEMS

TELEPHONE COMMUNICATION

SYSTEMS

## Voltage

USE ELECTRIC POTENTIAL

## VOLTAGE AMPLIFIERS

BT AMPLIFIERS

## Voltage changes

USE ELECTRIC POTENTIAL

## VOLTAGE REGULATORS

UF Voltage-regulator tubes

BT STABILIZATION SYSTEMS

RT DISCHARGE TUBES

INVERTER CIRCUITS

## Voltage-regulator tubes

USE VOLTAGE REGULATORS

Voltage, integral equation

USE INTEGRAL EQUATIONS

## VOLTMETERS

BT MEASURING DEVICES (ELECT

AND ELECTRIC)

RT POTENTIOMETERS

## VOLUME

## VOLUMETRIC ANALYSIS

BT CHEMICAL ANALYSIS

QUANTITATIVE ANALYSIS

## Vomiting

USE EMESIS

Von Mises statistic

USE PROBABILITY

## VOR (VHF OMNIDIRECTIONAL

RADIO RANGE

UF Omnidirectional radio range

Omnirange

RT DIRECTION FINDING

POSITION FINDING

RADIO NAVIGATION

## VORTEX GENERATORS

BT AERODYNAMIC CONFIGURATIONS

BOUNDARY LAYER CONTROL

SYSTEMS

## VORTEX THERMOMETERS

BT METERS

THERMOMETERS

RT RESISTANCE THERMOMETERS

Vortex tubes

USE MISC. TUBES

## VORTICES

BT Rotational flow

FLUID FLOW

RT SLIPSTREAM

TORQUE

TURBULENCE

## VPR

USE PLAN POSITION INDICATORS

## VTOL

USE VERTICAL TAKE-OFF PLANES

## VULNERABILITY

RT DAMAGE

EXPLOSION EFFECTS

EXPLOSIONS

PENETRATION

## W

## WAGES

UF Pay

Payroll

Salaries

RT COSTS

## WAGR test

USE STATISTICAL TESTS

## Waiting line theory

USE QUEUEING THEORY

## WAKE

(The detectable path left by a body

moving through a fluid.)

NT SLIPSTREAM

RT BUBBLES

CAVITATION

CONDENSATION TRAILS

DOWNWASH

DRAG

GROUND EFFECT

TURBULENCE

UNDERWATER

WATER ENTRY

# THESAURUS OF TERMS

## WASTES (SANITARY ENGINEERING)

**Watches (Timers)**  
USE CLOCKS

## WATER

NT SEA WATER  
STEAM  
RT ATMOSPHERIC CONDENSATION  
ICE  
SLUSH  
WATER VAPOR

## WATER BRAKES

(Devices designed to impede the passage of objects through water.)  
BT BRAKES  
RT TOWED BODIES

## WATER ENTRY

RT BUBBLES  
CAVITATION  
LANDING IMPACT  
SPRAYS  
UNDERWATER  
WAKE

**Water heaters**  
USE HEATERS

## WATER IMPINGEMENT

(Accumulations of water droplets on surfaces.)  
RT RAINDROPS  
SPRAYS

## WATER INJECTION

BT INJECTION

## WATER SUPPLIES

## WATER TANKS

BT CONTAINERS  
T. VKS (CONTAINERS)  
RT STORAGE TANKS

## WATER VAPOR

BT VAPORS  
RT ATMOSPHERIC CONDENSATION  
HUMIDITY  
STEAM  
WATER

## WATER WAVES

BT MECHANICAL WAVES

## WATER-BASED AIRPLANES

BT AIRCRAFT  
AIRPLANES  
NT AMPHIBIAN PLANES  
FLYING BOATS  
JET FLYING BOATS  
SEAPLANES

## Waterproof coatings

USE MOISTUREPROOFING

## Waterproofing

USE MOISTUREPROOFING

## WATTMETERS

BT POWER METERS

## WAVE ANALYZERS

NT HARMONIC ANALYZERS  
RT FREQUENCY ANALYZERS

## WAVE GUIDE CIRCULATORS

BT WAVEGUIDES

## WAVE TRANSMISSION

UF Transmission (Waves)  
NT IONOSPHERIC PROPAGATION  
LIGHT TRANSMISSION  
MULTIPATH TRANSMISSION  
RADIO TRANSMISSION  
SOUND TRANSMISSION  
RT PROPAGATION

## WAVEGUIDE CIRCULATORS

UF Circulators (Waveguide)  
BT WAVEGUIDES

## Waveguide connectors

USE WAVEGUIDE COUPLERS

## WAVEGUIDE COUPLERS

UF Waveguide connectors  
Waveguide joints  
BT COUPLERS  
WAVEGUIDES

## WAVEGUIDE FILTERS

BT FILTERS (ELECTROMAGNETIC WAVE)  
WAVEGUIDES  
RT RADIOFREQUENCY FILTERS

## Waveguide joints

USE WAVEGUIDE COUPLERS

## WAVEGUIDE SLOTS

BT WAVEGUIDE WINDOWS  
WAVEGUIDES

## WAVEGUIDE WINDOWS

BT WAVEGUIDES

NT WAVEGUIDE SLOTS

## WAVEGUIDES

NT WAVEGUIDE CIRCULATORS  
WAVEGUIDE COUPLERS  
WAVEGUIDE FILTERS  
WAVEGUIDE SLOTS  
WAVEGUIDE WINDOWS  
RT OSCILLATORS  
TRANSMISSION LINES

## WAVEOFF

(The act of refusing a landing to an approaching plane. In the Military Air Transport Service the period of flight between the time such a refusal is given to the time at which a steady climb is begun.)

## Waves (Electromagnetic)

USE ELECTROMAGNETIC WAVES

## Waves (Mechanical)

USE MECHANICAL WAVES

## WEAPON SYSTEM

BT AIRCRAFT SYSTEMS

## WEAPON SYSTEMS

## WEAPONS

RT ARMAMENT  
DEFENSE SYSTEMS  
GUIDED MISSILES  
ROCKETS

## WEAR RESISTANCE

(Resistance to abrasive action during service.)

UF Abrasion resistance  
BT MECHANICAL PROPERTIES  
RT SURFACE PROPERTIES

## Weather avoidance radar

USE METEOROLOGICAL RADAR

## WEATHER COMMUNICATIONS

UF Meteorological radio  
NT WEATHER SYSTEMS  
(AERONAUTICS)  
RT METEOROLOGICAL INSTRUMENTS  
METEOROLOGICAL SATELLITES  
METEOROLOGY  
WEATHER STATIONS

## WEATHER FORECASTING

BT METEOROLOGY  
RT ATMOSPHERE MODELS  
WEATHER SYSTEMS  
(AERONAUTICS)

## Weather radar

USE METEOROLOGICAL RADAR

## WEATHER STATIONS

BT METEOROLOGY  
RT METEOROLOGICAL INSTRUMENTS  
METEOROLOGICAL SATELLITES  
WEATHER COMMUNICATIONS  
WEATHER SYSTEMS  
(AERONAUTICS)

## WEATHER SYSTEMS (AERONAUTICS)

(The weather system developed by FAA to provide needed weather information to all civil and military airspace users and air traffic controllers.)

BT WEATHER COMMUNICATIONS  
RT WEATHER FORECASTING  
WEATHER STATIONS

## WEATHERPROOFING

BT FINISHES & FINISHING  
PROTECTIVE TREATMENTS  
RT MOISTUREPROOFING

## WEB BEAMS

BT BEAMS (STRUCTURAL)  
RT BOX BEAMS  
CANTILEVER BEAMS

## Wechsler scales

USE INTELLIGENCE TESTS

## WEDGES

BT GEOMETRIC FORMS  
RT CONICAL BODIES

## WEIGHT

UF Weight balance

## Weight balance

USE WEIGHT

## WEIGHTLESSNESS

RT GRAVITY  
GRAVITY (ARTIFICIAL)  
SPACE ENVIRONMENTAL CONDITIONS

## Weinstein's equation

USE PARTIAL DIFFERENTIAL EQUATIONS

## Welded joints

USE WELDS

## WELDING

BT THERMAL JOINING  
RT BRAZING  
MANUFACTURING METHODS

## WELDS

UF Welded joints  
BT JOINTS  
THERMAL JOINING  
NT ARC WELDING

## Wetting agents

USE SURFACE-ACTIVE SUBSTANCES

## Wheel brakes

USE BRAKES

## Wheel chairs

USE MEDICAL EQUIPMENT

## Whirl flutter

USE FLUTTER

## White blood cells

USE LEUKOCYTES

## WHITEOUT

BT METEOROLOGICAL PHENOMENA

## Whittaker functions

USE SPECIAL FUNCTIONS (MATHEMATICAL)

## WIDE-FIELD CAMERAS

BT CAMERAS  
RT AERIAL CAMERAS

## Wideband

USE BROADBAND

## Wideband antennas

USE ANTENNAS  
and BROADBAND

## WIDTH

USE DIMENSIONS

## Wiener Integrals

USE INTEGRALS

## Wiener-Hopf equations

USE INTEGRAL EQUATIONS

## Wilcoxon's statistic

USE STATISTICAL ANALYSIS

## WIND

UF Wind direction  
Wind velocity  
BT ATMOSPHERIC MOTION  
METEOROLOGICAL PARAMETERS  
METEOROLOGICAL PHENOMENA  
NT GUSTS  
JET STREAMS (METEOROLOGY)  
SEA BREEZE  
TORNADOES  
TROPICAL CYCLONES  
RT STORMS  
TROPICALLINE  
VERTICAL-GUST RECORDERS  
WIND-DIRECTION INDICATORS

## Wind direction

USE WIND

## Wind gages

USE ANEMOMETERS

## WIND TUNNEL MODELS

BT AERODYNAMIC CONFIGURATIONS  
MODELS (SIMULATIONS)  
RT AIRPLANE MODELS  
DUCTED BODIES  
MODEL TESTS  
ROCKET MODELS

## WIND TUNNEL NOZZLES

BT NOZZLES  
NT SUPERSONIC NOZZLES  
RT DIFFUSERS  
SUPERSONIC DIFFUSERS

## WIND TUNNELS

BT TEST FACILITIES  
NT HYPERSONIC WIND TUNNELS  
SUBSONIC WIND TUNNELS  
SUPERSONIC WIND TUNNELS  
TRANSONIC WIND TUNNELS

## Wind vanes

USE WIND-DIRECTION INDICATORS

## Wind velocity

USE WIND

## WIND-DIRECTION INDICATORS

UF Wind vanes  
BT METEOROLOGICAL INSTRUMENTS  
RT ANEMOMETERS  
VERTICAL-GUST RECORDERS  
WIND

## Windseeds

USE MOISTS

## Windshield wiper motors

USE WINDSHIELD WIPERS

# Wrist watches

## WINDSHIELD WIPERS

UF Windshield wiper motors

## WINDSHIELDS

## WING INLETS

BT AERODYNAMIC CONFIGURATIONS  
RT DUCT INLETS  
JET ENGINE INLETS

## WING SLOTS

BT AERODYNAMIC CONFIGURATIONS  
AERODYNAMIC SLOTS

## Wing speed brakes

USE AIR BRAKE FLAPS

## Wing tip control surfaces

USE AERODYNAMIC CONTROL SURFACES

## Wing tip tanks

USE EXTERNAL STORES

## WING-BODY CONFIGURATIONS

BT AERODYNAMIC CONFIGURATIONS

## WING-ROTOR CONFIGURATIONS

BT AERODYNAMIC CONFIGURATIONS

## WINGS

BT AERODYNAMIC CONFIGURATIONS  
AIRFOILS  
NT AUTOGYRO ROTORS  
CONICAL WINGS  
CRANKED WINGS  
CRUCIFORM WINGS  
DELTA WINGS  
HELICOPTER ROTORS  
JET HELICOPTER ROTORS  
PARAWINGS  
RING WINGS  
ROTARY WINGS  
SLENDER WINGS  
SWEEP WINGS  
SWEEP-BACK WINGS  
SWEEP-FORWARD WINGS  
TAIL HELICOPTER ROTORS  
TILT WINGS  
VARIABLE-INCIDENCE WINGS  
VARIABLE-INCIDENT WINGS  
VARIABLE-SWEEP WINGS

## WIRE

UF Steel wire  
Wire screens  
NT ELECTRIC WIRE  
RT CABLES (MECHANICAL)  
ELECTRIC CABLES

## Wire screens

USE PROTECTIVE SCREENS  
and WIRE

## WIRING DIAGRAMS

RT CIRCUITS

## WOMEN

BT MAMMALS  
MAN  
PRIMATES

## WOOD

UF Bare wood  
Timber  
NT PLYWOOD  
RT TREES

## Wooden springs

USE SPRINGS

## Workshops

USE SYMPOSIA

## WOUNDS & INJURIES

UF Head injuries  
Injuries  
Muscular trauma  
NT AVIATION INJURIES  
BURNS  
CONCUSSION  
FRACTURES (BONE)  
RADIATION INJURIES  
RT ACCIDENTS  
CASUALTIES  
FIRST-AID  
HAZARDS  
SHOCK (PATHOLOGY)  
WIND

## Wreckers

USE RECOVERY VEHICLES

## Wrist watches

USE CLOCKS

# X BAND

## X

### X BAND

(5200 to 11,000 mc.)

BT FREQUENCY  
MICROWAVE FREQUENCY  
RADIOFREQUENCY  
SUPERHIGH FREQUENCY

RT C BAND

### X RAYS

UF Characteristic X rays  
Roentgen rays  
BT ELECTROMAGNETIC WAVES  
RT GAMMA RAYS

### X-RAY DIFFRACTION ANALYSIS

BT DIFFRACTION ANALYSIS

RT CRYSTAL STRUCTURE  
OPTICAL ANALYSIS

### X-RAY DIFFRACTION CAMERAS

RT HIGH-SPEED CAMERAS

### X-RAY PHOTOGRAPHY

BT PHOTOGRAPHY  
RADIOGRAPHY

### X-ray photometers

USE PHOTOMETERS

### Xanthine oxidase

USE OXIDOREDUCTASES

### Xerography

USE ELECTROPHOTOGRAPHY

## Y

### Yarn

USE FIBERS

### YAW

BT MOTION  
RT FLIGHT CHARACTERISTICS

### YAWMETERS

BT ATTITUDE INDICATORS  
FLIGHT INSTRUMENTS  
RT HORIZON SCANNERS  
HORIZONTAL INDICATORS  
STALL-WARNING INDICATORS

### YEASTS

UF Saccharomyces  
RT FUNGI

# THESAURUS OF FAA DESCRIPTORS

## Ytterbium compounds

USE RARE EARTH COMPOUNDS

## Z

### Z-forms

USE OPERATIONAL CALCULUS

### Zeta function

USE SPECIAL FUNCTIONS  
(MATHEMATICAL)

### ZINC COMPOUNDS

BT CHEMICAL COMPOUNDS

### Zooming

USE CLIMBING